

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
SHELL OIL COMPANY

3. ADDRESS OF OPERATOR
P.O. Box 831, Houston, Texas 77001 Attn: G.M. Jobe RM 19104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface: 1412' FNL and 1541 FEL Section 19, T15S, R12E,
At proposed prod. zone: Same SW NE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 6.5 + miles East Southeast of Wellington, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1412'
16. NO. OF ACRES IN LEASE 325

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
19. PROPOSED DEPTH 5000'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5652'

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/2"	9 5/8	36.0 #/ft.	800' +
8 3/4"	5 1/2	14.0 #/ft.	T.D.

5. LEASE DESIGNATION AND SERIAL NO.
U-31800

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
1-19

10. FIELD AND POOL, OR WILDCAT
Evanham Dome

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 19, T15S, R12E, S.L.B. & M

12. COUNTY OR PARISH
Carbon

13. STATE
Utah

17. NO. OF ACRES ASSIGNED TO THIS WELL
640

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
Upon permit approval

Attachments:

- Exhibit "A" - (10 Point Compliance Program
- Exhibit "B" - BOP and Auxiliary Equipment
- Certified Survey Plat
- 13 Point Surface Use Plan and Attachements:
 - 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 Steve Stewart TITLE Field Representative

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY APPROVED BY THE DIVISION
OIL, GAS, AND MINING

CONDITIONS OF APPROVAL, IF ANY:
DATE: 1-20-81
BY: M. J. Menden

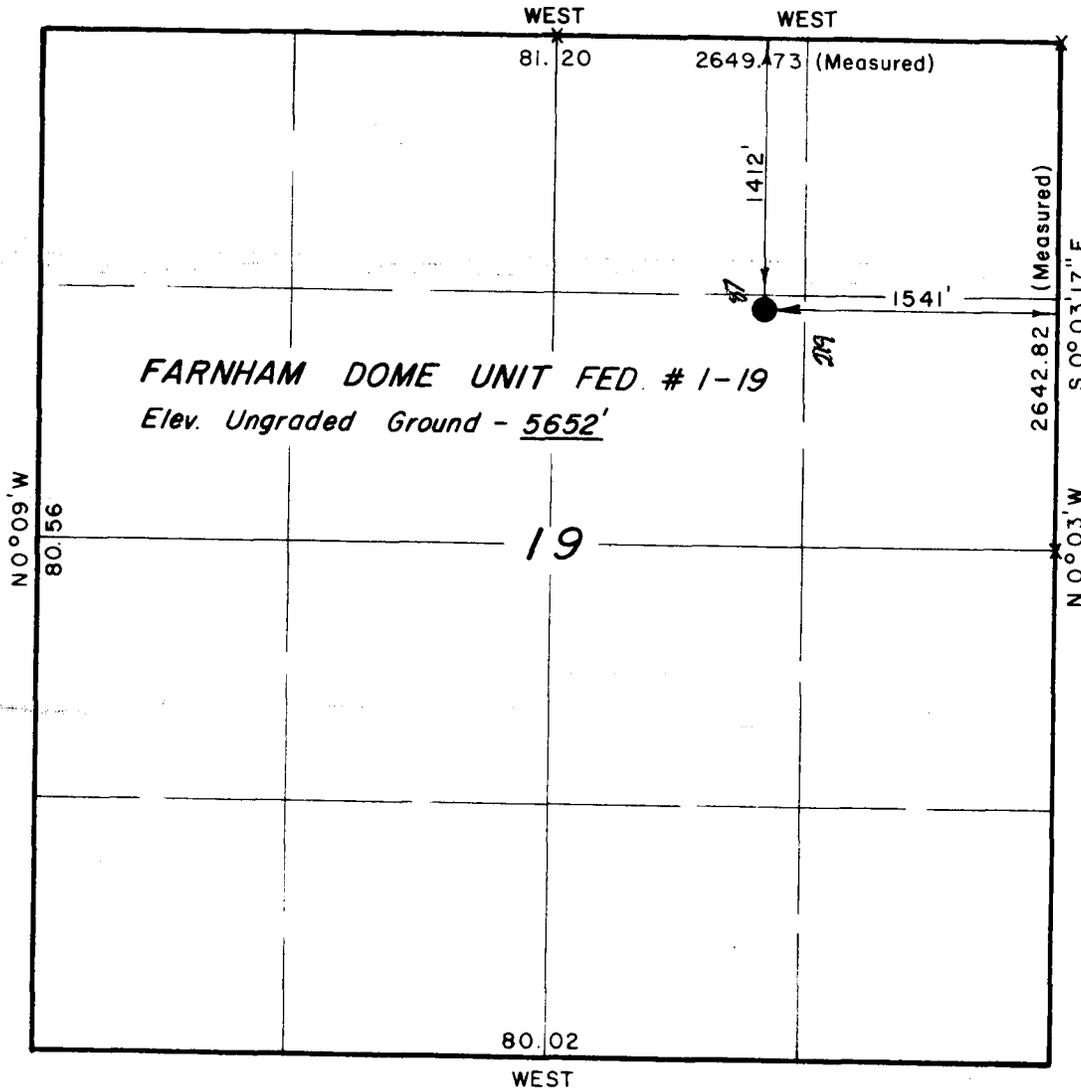
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DEC 17 1980
DIVISION OF
OIL, GAS & MINING
12/16/80

T 15 S, R 12 E, S.L.B. & M.

PROJECT
SHELL OIL COMPANY

Well location, *FARNHAM DOME UNIT*, located as shown in the SW1/4 NE1/4 Section 19, T15S, R12E, S.L.B.&M. Carbon County, Utah.

*2pc
 352' x 1.9
 NE 1/4
 1 1/2
 NW 1/4
 E 1/2*



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.

[Signature]
 REGISTERED LAND SURVEYOR
 REGISTRATION NO 3137
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
 P.O. BOX Q - 110 EAST - FIRST SOUTH
 VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	12 / 8 / 80
PARTY	LCK DA DK DB AC	REFERENCES	GLO Plat
WEATHER	Fair	FILE	SHELL OIL COMPANY

X = Section Corners Located

NELSON J. MARSHALL
Phone 789-0272

GENE STEWART
Phone 789-1795

LAWRENCE C. KAY
Phone 789-1125

Uintah Engineering & Land Surveying

P.O. BOX Q
VERNAL, UTAH 84078



OFFICE LOCATION
85 SOUTH 200 EAST

PHONE 789-1017

January 16, 1981

Utah State Dept. of Nat'l Resources
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

Dear Mr. Minder,

As agent for SHELL OIL CO. I am writing this request for a variance in State wide spacing for their proposed well Farnham Dome Federal #1-19 SW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 19, T15S, R12E, S.L.M.

Due to severe topography in the area of the location it is staked 1412' FNL and 1541' FEL which I realize is an unorthodox location. (See attached topo map).

Shell has already agreed by stipulation letter to the U.S.G.S. to assign the whole NE $\frac{1}{4}$ to this one well. Therefore SHELL is requesting a variance and asking approval to drill at the above location in the Section.


Agent

GS:sh

RUBBERED
JAN 19 1981

DIVISION OF
OIL, GAS & MINING

TEN POINT COMPLIANCE PROGRAM
NTL-6

1. GEOLOGIC SURFACE FORMATION

Cretaceous

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

Morrison 840' +
Curtis 1740' +
Navajo 2660' +
Chinle 3480' +
Moenkopi 3700' +
Sinbad 4270' +
Kaibab 4640' +
Coconino 4800' +
TD 5000'

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

Surface to 400' - Water
Navajo 2660' +, Sinbad 4270' +
Coconino 4800' +, Carbon Dioxide

4. PROPOSED CASING PROGRAM

(a) Surface Casing: 9 5/8" 36# K-55, ST&C @ 800' (+300') in
12 1/4" Hole all casing cemented to surface

(b) Production Casing: 5 1/2" (14.0 #/ft K-55 to TD cement to 1500')

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Attachment B is a schematic diagram of the blowout preventer equipment. The BOP's will be hydraulically tested to the full working pressure after nipping up and after any use under pressure. Pipe rams will be operationally checked each 24 hour period, as will bland rams each time pipe is pulled out of the hole. Such checks of BOP will be noted on daily drilling reports.

Accessories to BOP include a kelly cock, floor safety valve, drill string BOP and choke manifold with pressure rating equivalent to the BOP stack.

Attachment C is a schematic diagram of the choke manifold.

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATING MUDS

Fresh water based mud from surface to TD.
Adequate Barite on hand to control any unexpected geo pressures.

7. AUXILIARY EQUIPMENT TO BE USED

Master Control w/Hydril Pressure Valve
4 Unit Remote Control
Hydraulic BOP Operating Unit
Kelly Saver Sub-Labeled Cross Over Subs
Full Opening Ball Valves for all Size D.P.

8. TESTING, LOGGING AND CORING PROGRAMS

(a) Tests: No DTS's

(b) Logging Program: GR to Surface
DIL/SFL/GR 800' to TD -
FDC/CNL/GR/CAL 5000' - TD
BHC SONIC, ITT/GR 800' - TD

(c) Coring: Sidewall Cores

(d) Production: Production: Production casing will be cemented to TD formation to be selectively perf'd and acidized.

9. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES

No abnormal pressures or temperatures are expected to be encountered.

Hydrogen sulfide may be encountered. Control and safety equipment is on hand.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

The anticipated starting date is as soon as possible after examination and approval of drilling requirements. Drilling operations should be completed within 30 days after spudding. Completion operations will be conducted as soon as possible after drilling rig release.



SHELL OIL COMPANY

DRAWING AND CHECK LIST NO. 103B
 SHELL CLASS ~~3MR, 3MS, 3MA~~

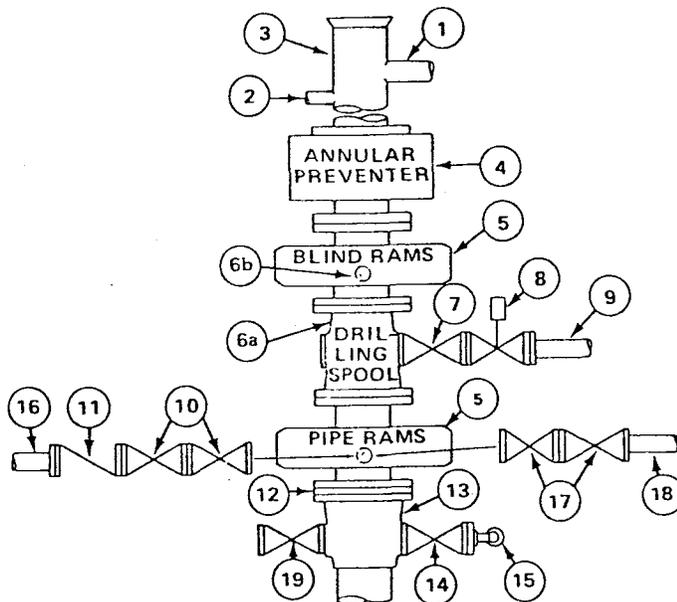
~~3,000~~ psi Working Pressure
 2,000

SHELL MINIMUM BOP STACK REQUIREMENTS			
No.	Item	Min. I.D.	Min. Nominal
1	Flowline		
2	Fill up Line		2"
3	Drilling Nipple		
4	Annular Preventer		
5	Two single hydraulically operated rams		
6a	Drilling spool with 3" outlet		
	or		
6b	Use this outlet for choke line		
7	Valve Gate <input checked="" type="checkbox"/> Plug <input checked="" type="checkbox"/>	3-1/8"	
8	Gate Valve Power Operated	3-1/8"	
9	Line to choke manifold		3"
10	Valves Gate <input checked="" type="checkbox"/> Plug <input checked="" type="checkbox"/>	2-1/16"	
11	Check Valve	2-1/16"	
12	Wear flange or bushing		
13	Casing Spool		
14	Valve Gate <input checked="" type="checkbox"/> Plug <input checked="" type="checkbox"/>	1-13/16"	
15	Compound Pressure Gauge		
16	Kill line to rig mud pump manifold		2"

NOTE: Additional specifications for Sour Service and Air/Gas Service are given in Shell Well Control Manual, Appendix 5.20 and Appendix 5.21.

OPTIONAL			
17	Valves Gate <input checked="" type="checkbox"/> Plug <input checked="" type="checkbox"/>	3-1/8"	
18	Auxiliary choke line		3"
19	Flanged control plug or valve	1-13/16"	

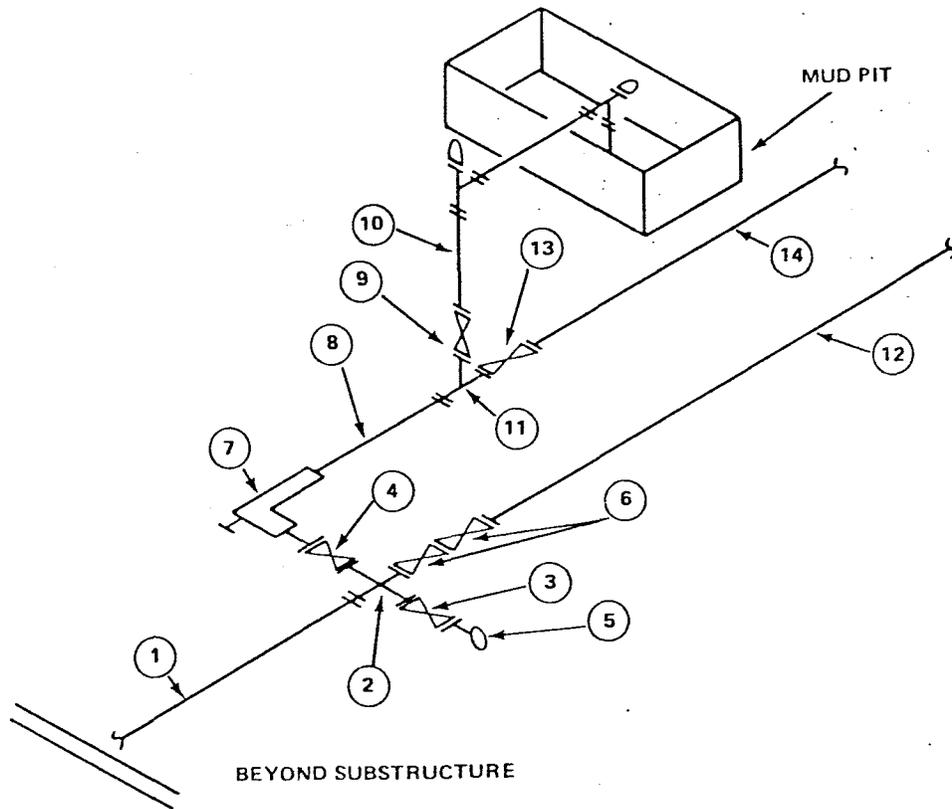
CONFIGURATION B





SHELL OIL
COMPANY

MINIMUM CHOKE MANIFOLD
DRAWING NO. 201
SHELL CLASS 2M
2,000 psi Working Pressure



SHELL MINIMUM REQUIREMENTS				
No.	Item	Min. I.D.	Min. Nom.	Press. Rating
1	Line from drilling spool		2"	2000
2	Cross 2" x 2" Cross 2" x 2"			2000
3	Valve Gate <input checked="" type="checkbox"/> Plug <input checked="" type="checkbox"/>	1 13/16"		2000
4	Valve Gate <input checked="" type="checkbox"/> Plug <input checked="" type="checkbox"/>	1 13/16"		2000
5	Compound Pressure Gauge			
6	Valves Gate <input checked="" type="checkbox"/> Plug <input checked="" type="checkbox"/>	1 13/16"		2000
7	Adjustable Choke	1"		2000
8	Line		2"	2000
9	Valve Gate <input checked="" type="checkbox"/> Plug <input checked="" type="checkbox"/>	1 13/16"		2000
10	Line		2"	500
11	Tee		2"	2000
12	Line to Reserve Pit		2"	500
13	Valve Gate <input checked="" type="checkbox"/> Plug <input checked="" type="checkbox"/>	1 13/16"		2000
14	Line to Reserve pit		2"	500

DRILLING PROGNOSIS

WELL: SHELL-FEDERAL 1-19
 LOCATION: 1320' FNL, 1320' FEL
 SEC. 19, TWP 15S, RGE 12E
 CARBON COUNTY, UTAH
 OBJECTIVE: NAVAJO, SINBAD, COCONINO

W.O. NO. _____
 FIELD: FARNHAM DOME
 EST. ELEVATION: 5660'

EVALUATION	GEOLOGY	WELL DEPTH	HOLE SIZE	CASING & CEMENT	MUD PROGRAM		
DRLG. TIME & SAMPLES	ELEC. SURVEYS	MUD LOGGER	SIGNIFICANT FORMATIONS	WELL DEPTH	HOLE SIZE	CASING & CEMENT	MUD PROGRAM
30' GR Continued to surface	Surface Casing 800' Morrison 840' (+4820) Curtis 1740' (+3920) Navajo 2660' (+3000) Chinle 3480' (+2180) Moenkopi 3700' (+1960) Sinbad 4270' (+1390) Kaibab 4640' (+1020) Coconino 4800' (+ 860) Total Depth 5000' (+ 660)	800' 840' 1740' 2660' 3480' 3700' 4270' 4640' 4800' 5000'	12 1/4" 9 5/8"	Conductor Redimix 9 5/8" 36.0#/ft. Cement to Surf. B.O.P AS PER ATTACHMENT INSTALLED ON 9 5/8" CASING	Fresh Water Mud Gel Fresh Water Mud, CMC Gel, WL < 10cc		
10' DIL/SFL/GR/SP BHC SONIC/ITT/Gr/Cal CNL/FDC/Gr/Cal PML/Gr - Sidewall cores 2 person mudlogging unit w/CO ₂ detector							

NO CORES OR DST'S

SHELL OIL COMPANY

13 Point Surface Use Plan

For

Well Location

Farnham Dome Unit Federal #1-19

Located In

Section 19, T15S, R12E, S.L.B. & M.

Carbon County, Utah

SHELL OIL COMPANY

Farnhom Dome Unit Federal #1-19
Section 19, T15S, R12E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach SHELL OIL COMPANY well location Farnham Dome Unit Federal # 1-19, located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 19, T15S, R12E, S.L.B. & M. Carbon County, Utah. Proceed Easterly out of Wellington, Utah on U.S. Highway 6 - 50, 6.2 miles to its junction with an existing improved gravel surface road to the South; proceed in a Southerly direction along this road 2.5 miles to its junction with an existing road to the Southeast; proceed in a Southeasterly direction along this road 0.3 miles to the beginning of the proposed access road (to be discussed in Item #2).

The Highway mentioned above is a bituminous surfaced road and is maintained by State road crews. The improved gravel surface road is a Carbon County road and is maintained by County Forces.

All other roads in the area that will be used for access to this location are Gas Field roads and will be maintained by SHELL OIL COMPANY. Maintenance on these roads will consist of some minor grader work after rain storms and snow removal when needed.

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

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned access road leaves the existing road described in Item #1 in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 19, T15S, R12E, S.L.B. & M. and proceeds in a Southerly and Easterly direction approximately 400' to the proposed location site.

In order to facilitate the anticipated traffic flow necessary to drill and produce this well, the following standards will be met:

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 area of the road will be 1 $\frac{1}{2}$ to 1 slopes and terraced.

There will be no culverts required along this access road.

There will be no turnouts required along this access road.

There are no fences encountered along this access road. There will be no gates or cattleguards required.

SHELL OIL COMPANY
Farnhom Dome Unit Federal #1-19
Section 19, T15S, R12E, S.L.B. & M.

2. PLANNED ACCESS ROAD - cont...

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

The terrain that this road traverses is relatively flat, however, the maximum grade along this road will not exceed 8%. The vegetation along this route consists of sagebrush and grasses with large amounts of earth devoid of vegetation.

3. LOCATION OF EXISTING WELLS

At the present time there are no known water wells, disposal wells, drilling wells, shut in wells, injection, monitoring or observation wells for other resources within a one mile radius of this location site.

There is however one producing well within a one mile radius. (Refer to Topographic Map "B").

4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION GATHERING AND SERVICE LINES

At the present time there are no existing batteries, production facilities, gas gathering lines, injection or disposal line within a one-mile radius of this location site belonging to Natural Gas Corp. of California.

In the event that production of oil from this well is established, then the existing area of the location will be utilized for the establishment of the necessary production facilities.

This 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.

The total area that is needed for the production of this well will be fenced and catteguards will be utilized for access to these facilities if deemed necessary by the controlling agencies involved.

In the event that the production of natural gas is established then the necessary arrangements for a gas flowline will be made.

The rehabilitation of the disturbed area that is not required for the production of this well, will meet the requirements of Item #7 and #10 and these requirements and standards will be adhered to.

5. LOCATION AND TYPE OF WATER SUPPLY

Water to be used in the drilling of this well will be hauled from the Wellington water supply. This water will be hauled along the roads described in Items #1 and #2 - 9 miles to the location site.

SHELL OIL COMPANY

Farnhom Dome Unit Federal #1-19
Section 19, T15S, R12E, S.L.B. & M.

5. LOCATION AND TYPE OF WATER SUPPLY - cont...

If this water source is not available then the necessary arrangements will be made to acquire the water needed for the drilling and production of this well and all agencies involved will be notified.

All appropriate permits will be acquired and submitted to the proper authorities.

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

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site and access road shall be borrow materials accumulated during construction of the location site and access road. No additional road gravels or pit lining material 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 FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet.

The reserve pit will be approximately 8' deep. One half of the reserve pit will be used as 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, 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 at such time as 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 the drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and reclamation activities are attempted.

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

A portable trash basket will be placed on the location site and all trash will be hauled to the nearest Sanitary Land Fill.

A portable chemical toilet will be supplied for human waste.

SHELL OIL COMPANY
Farnhom Dome Unit Federal #1-19
Section 19, T15S, R12E, S.L.B. & M.

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 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 material necessary to make them 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 & 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 the 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 road shall 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 Item #7 and #10.

11. OTHER INFORMATION

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

The terrain of the general area slopes from the rim of the Book Cliff Mountains to the North to the Price River to the South and is the bottom of the Price River Drainage.

SHELL OIL COMPANY
Farnhom Dome Unit Federal #1-9
Section 19, T15S, R12E, S.L.B. & M.

11. OTHER INFORMATION - cont...

The area is interlaced with numerous ridges and canyons formed by non-perennial streams and washes. The sides of the hills and canyons are rather steep and outcrops of sandstones, conglomerates, and shale deposits, are common in the area forming ledges and cliffs along the sides of the canyons.

The visible geologic structures in the area are of the Tuscher Formation Tertiary Period and the Wasatch Formation also of the Tertiary Period.

The major drainage in the area with a year-round flow is the Price River to the South.

The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during the early spring run-off and during extremely heavy rain storms of relatively long duration. This type of storm is rather uncommon as the normal annual precipitation is around 8".

The topsoil in the area ranges from a sandy-clay (SM-ML) type soil to a clayey (OL) type soil.

Due to the low precipitation average, climate condition and the types of soils, the vegetation that is found in the area is common the semi-arid region we are located in, and consists of juniper and pinion pine trees, sagebrush, scrub oak, shadscale, and bitterbrush, and some grasses and cacti as the primary flora.

The fauna of the area is sparse and consists predominantly of the mule deer, coyotes, rabbits and varieties of small ground squirrels and other types of rodents and various forms of reptiles.

The area is used by a man for the primary purpose of grazing domestic livestock.

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

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

The proposed location site sits on a relatively flat area approximately 500' East of a non-perennial drainage which drains to the Southeast into the Green River.

The visible structure of the location is of the Tuscher formation and consists of brownish-gray sandy-clay (SP-CL) with some shale outcrops.

The ground slopes through the location to the Southeast at approximately a 4% grade.

The location is covered with juniper and pinion pine trees, scrub oak, sagebrush, and grasses.

SHELL OIL COMPANY
Farhom Dome Unit Federal #1-9
Section 19, T15S, R12E, S.L.B. & M.

11. OTHER INFORMATION - cont...

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

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

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Gene Stewart
85 South 200 East
Vernal, Utah 84078

1-801-789-1017

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 the 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 the SHELL OIL COMPANY its contractors and sub-contractors in conformity with this plan and terms and conditions under which it is approved.

Date

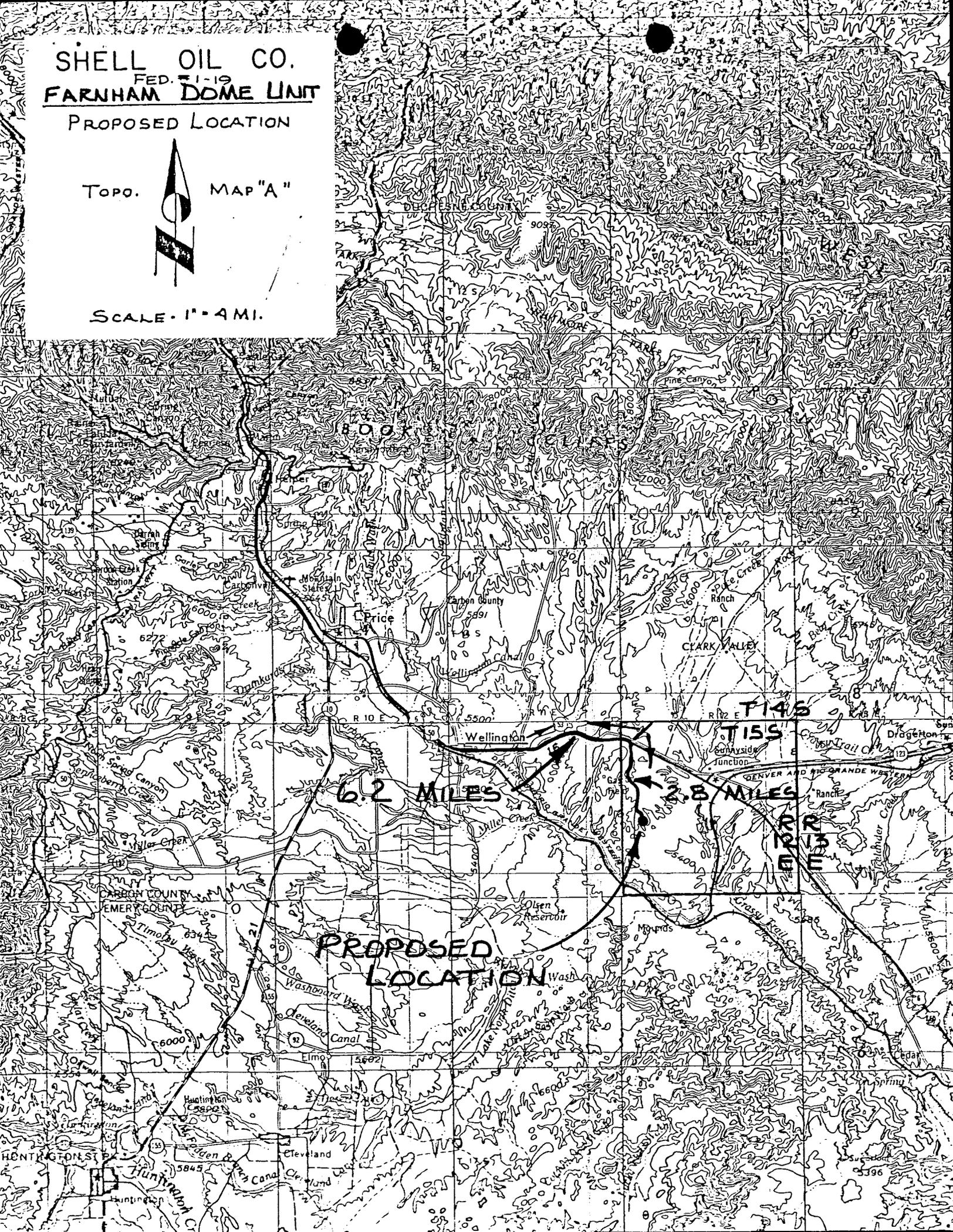
12/16/80

Gene Stewart
Gene Stewart

SHELL OIL CO.
FED. 1-19
FARNHAM DOME UNIT
PROPOSED LOCATION

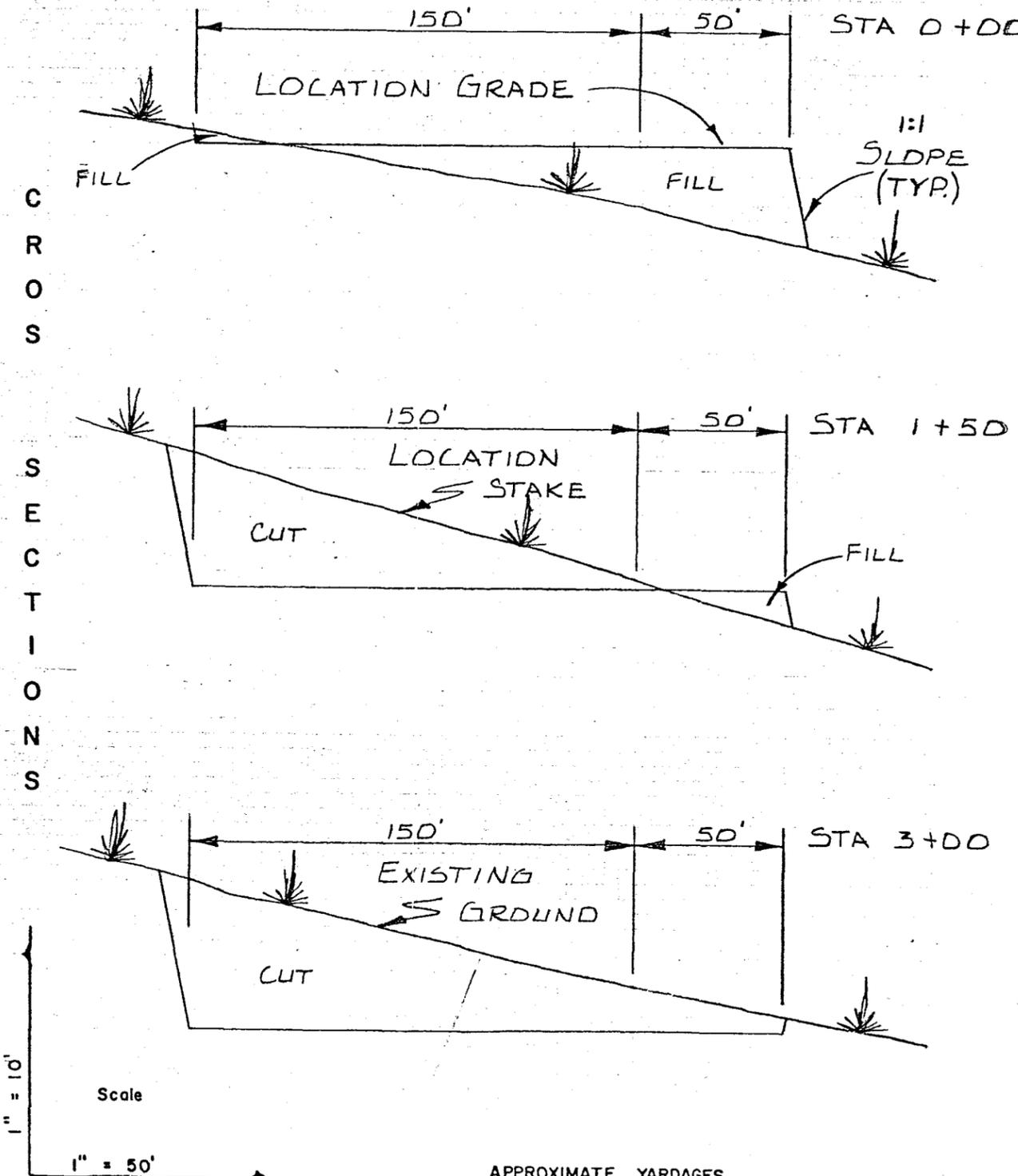
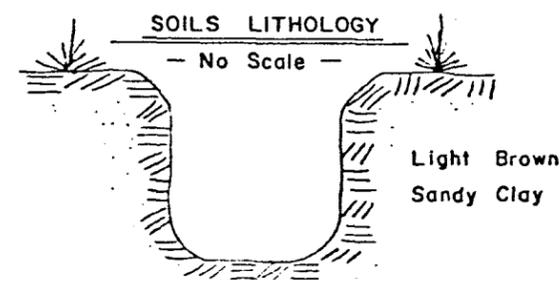
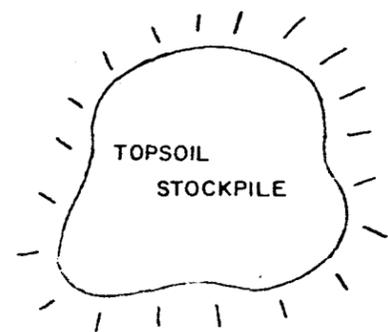
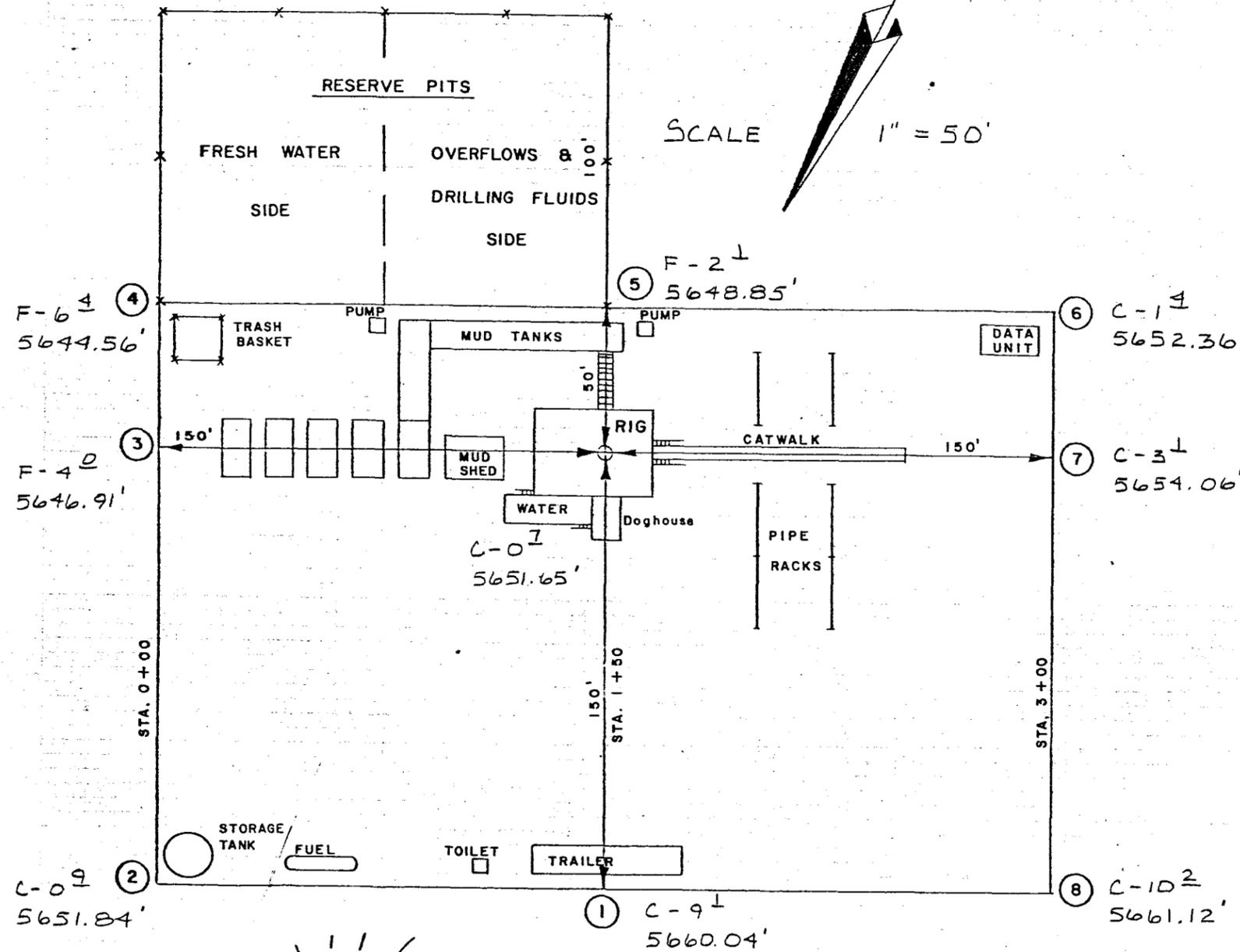
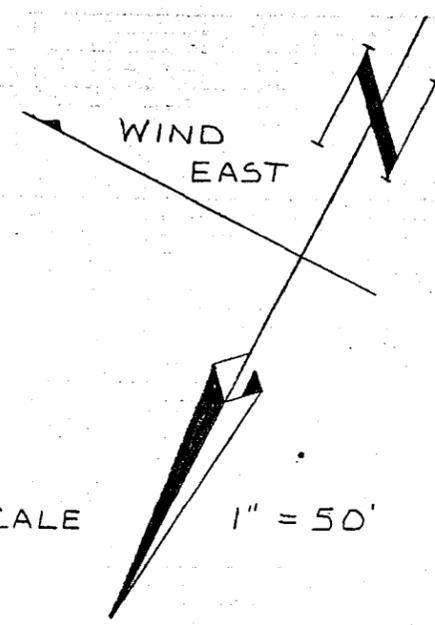


SCALE - 1" = 4 MI.



SHELL OIL COMPANY

FARNHAM DOME UNIT
FEDERAL # 1-19



APPROXIMATE YARDAGES

Cubic Yards of Cut - 7614
Cubic Yards of Fill - 1706

WELLINGTON, UTAH
- 6.2 MILES -

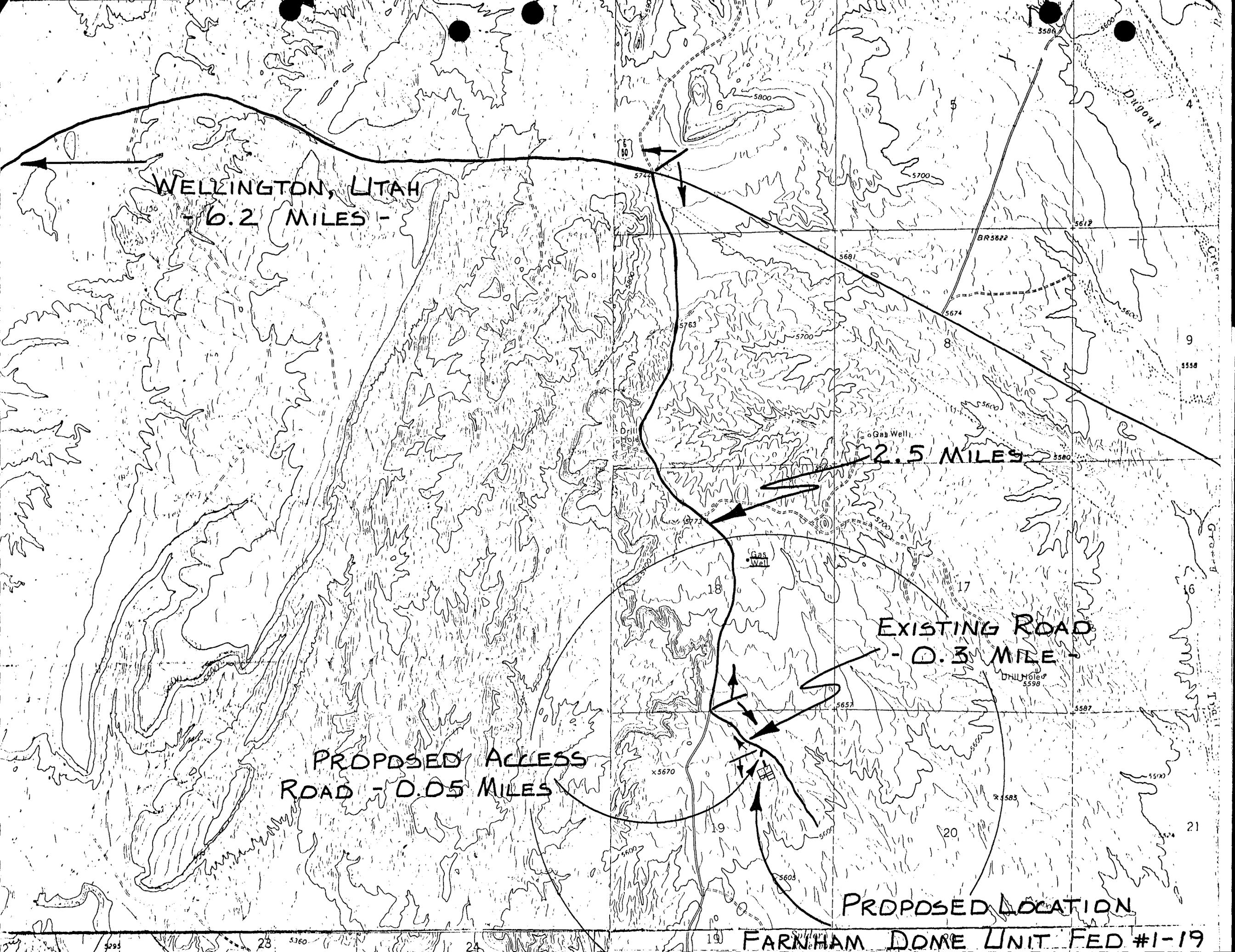
2.5 MILES

EXISTING ROAD
- 0.3 MILE -

PROPOSED ACCESS
ROAD - 0.05 MILES

PROPOSED LOCATION

FARNHAM DOME UNIT FED #1-19



PROPOSED ACCESS ROAD - 0.05 MILES

EXISTING ROAD - 0.3 MILE

PROPOSED LOCATION

FARNHAM DOME UNIT FED #1-19

SHELL OIL CO.
FARNHAM DOME UNIT
FED. #1-19

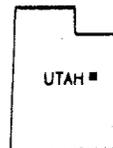
PROPOSED LOCATION

TOPO. MAP "B"

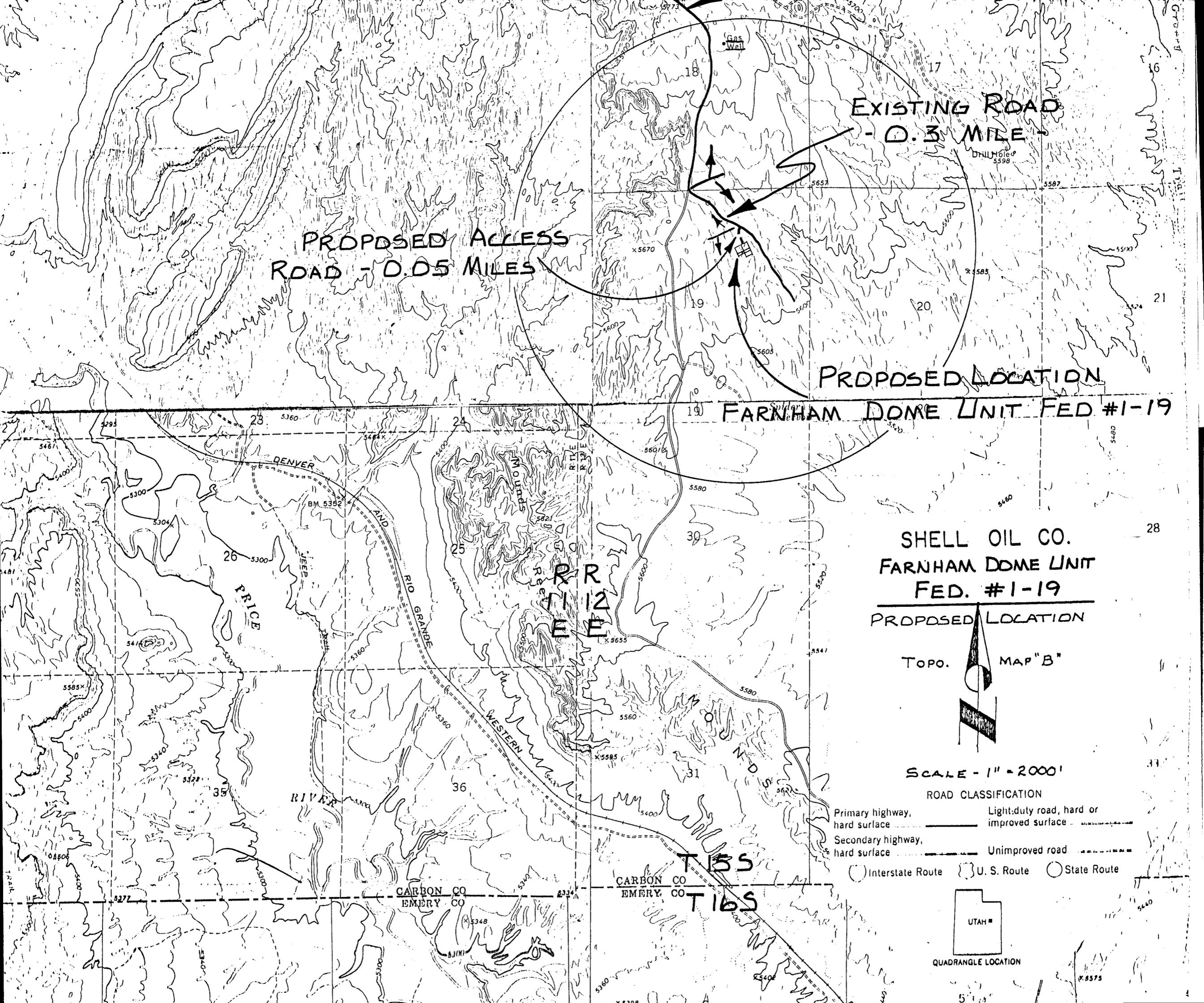
SCALE - 1" = 2000'

ROAD CLASSIFICATION

- Primary highway, hard surface
- Secondary highway, hard surface
- Light duty road, hard or improved surface
- Unimproved road
- Interstate Route
- U. S. Route
- State Route



QUADRANGLE LOCATION



** FILE NOTATIONS **

DATE: 12-22-80

OPERATOR: Shell Oil Company

WELL NO: Dev 1-19

Location: Sec. 19 T. 15S R. 12E County: Carters

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-007-30061

CHECKED BY:

Petroleum Engineer: Mrs. Minder 1-20-81
Topo Exception

Director: _____

Administrative Aide: _____

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 Dev

Plotted on Map

Approval Letter Written

Hot Line

P.I.

January 22, 1981

Shell Oil Company
P. O. Box 831
Houston, Texas 77001

Attention: G. M. Jobe

Re: Well No. Federal 1-19
Sec. 19, T. 15S, R. 12E, SW NE
Carbon County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), 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: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (Acquifers) 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 43-007-30061.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Michael T. Minder
Petroleum Engineer

/ko

rec'd Field 1-8-80 GJD



United States Department of the Interior

IN REPLY REFER TO

BUREAU OF LAND MANAGEMENT

Moab District

Price River Resource Area

3100
U-31800
(U-601)

TO: District Engineer, USGS, Salt Lake City, Utah DATE: January 7, 1981
 Attention: George Diwachak

FROM: Area Manager, Price River

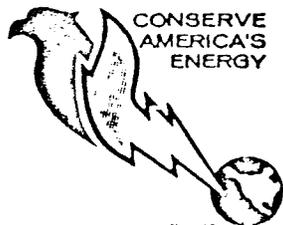
SUBJECT: Farnham Dome Federal 1-19; Shell Oil

A joint inspection of the proposed drill site for subject well was accomplished on January 6, 1981. Approval of the APD is recommended conditioned on the following stipulations:

1. The 0.35 miles of access road shall be constructed as agreed to during the joint field inspection on January 6, 1981. In specific, the existing road may be improved by straightening the route and cuts may be made not to exceed 1.5 feet. Road design will provide for drainage of run-off.
2. Topsoil on the pad site shall be removed to 8 inches and stockpiled in a manner to minimize soil loss to wind and water erosion. Stockpiles shall be located so that soil is not contaminated or compacted.
3. Reserve pits shall be relocated 25 feet westward from that location indicated in the APD.
4. Dikes of reserve pits shall be key seated to ensure pit stability and fluid retention.
5. That portion of the reserve pit to be used for cuttings, salts, etc. shall be lined to prevent downward seeping of fluids.
6. Seeding shall be accomplished by drilling the below listed species at a depth of $\frac{1}{4}$ to $\frac{1}{2}$ inch during the period of ~~September~~ ^{October} to December.

Sand dropseed	Sporobolus cryptandrus	5 lb/acre
Indian ricegrass	Oryzopsis hymenoides	5 lb/acre
Fourwing saltbush	Atriplex canescens	2 lb/acre
Black sagebrush	Antemisia arbuscula	1 lb/acre
Globe mallow	Sphaeralcea grossulariaefolia	1 lb/acre

Threatened or endangered plants and animals are not known to be present in the area.



Save Energy and You Serve America!

memorandum

DATE: JAN. 9, 1981

REPLY TO: GEORGE DIWACHAK
ATTN OF:SUBJECT: H₂S gas Shell No 1-19, Sec 19, T 15S, R 12E,
CARBON COUNTY, UTAH, U-31800

TO: WELL FILE

Both the APD and Mineral Evaluation REPORT state that H₂S may be encountered during drilling. A Lease file search discovered a wellfile, Equity Oil Company, drilled in Sec 8, T 15S, R 12E which reported H₂S with CO₂ the Navajo Formation @ 2748 ft. The drilling report states a strong H₂S odor with the CO₂. It is not anticipated that any large concentrations of H₂S gas would be discovered.

The area in question is rather remote and receives limited public use, mostly ranchers with grazing allotments. There are no residences in a 2 mile radius of the wellsite.

Drilling of this well should not have any significant adverse effects on public health and safety as the risk potential for H₂S is low and the crews and passersby can be protected by requiring a H₂S Contingency Plan prior to drilling out surface casing. Preparation of an Environmental Assessment is not recommended as a ROR (CER) would adequately assess impacts.

George Diwachak



Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

OPTIONAL FORM NO. 10
(REV. 7-76)
GSA FPMR (41 CFR) 101-11.6
5010-112

DUPLICATE

SUBMIT IN TRIPlicate
(Other Instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

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
SHELL OIL COMPANY

3. ADDRESS OF OPERATOR
P.O. Box 831, Houston, Texas 77001 Attn: G.M. Jobe RM 19104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface: 1412' FNL and 1541 FEL Section 19, T15S, R12E,
At proposed prod. zone: Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 6.5 + miles East Southeast of Wellington, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1412'

16. NO. OF ACRES IN LEASE 325

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.

19. PROPOSED DEPTH 5000'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5652'

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	9 5/8	36.0 #/ft.	800' ±
8 3/4"	5 1/2	14.0 #/ft.	T.D.

QUANTITY OF CEMENT
300 sacks + as needed

Attachments:

- Exhibit "A" - (10 Point Compliance Program
- Exhibit "B" - BOP and Auxiliary Equipment
- Certified Survey Plat
- 13 Point Surface Use Plan 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.

SIGNED Steve Stewart TITLE Field Representative DATE 12/16/80

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY W.P. [Signature] TITLE FOR E. W. GUYNN
DISTRICT ENGINEER

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

5. LEASE DENOMINATION AND SERIAL NO. U-31800

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME Federal

9. WELL NO. 119

10. FIELD AND POOL, OR WILDCAT Farnham Dome

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 19, T15S, R12E, S.L.B. & 1

12. COUNTY OR PARISH Carbon

13. STATE Utah

22. APPROX. DATE WORK WILL START* Upon permit approval

ST.06

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 Shell Oil Company
 Project Type GAS WELL (CO₂)
 Project Location 1412' FNL E 1541' FEL, SW/4 NE/4 Sec 19, T15S, R12E
 Well No. 1-19 Lease No. U-31800
 Date Project Submitted 12-17-80

FIELD INSPECTION

Date JANUARY 16, 1980

Field Inspection
 Participants

<u>George Diwachak</u>	<u>USGS</u>
<u>SID VOGELPOHL, TOM HARE</u>	<u>BLM</u>
<u>ROBERT TALLEY</u>	<u>BLM</u>
<u>DICK TYLER</u>	<u>SHELL</u>
<u>GENE STEWART</u>	<u>UINTAH ENGINEERING</u>
<u>R. Robbins</u>	<u>Robbins CONST</u>

Typing In & Out:

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.

1-9-80

Date Prepared

George J. Diwachak
 Environmental Scientist

I concur (w/strips incl.)

1/9/81
 Date

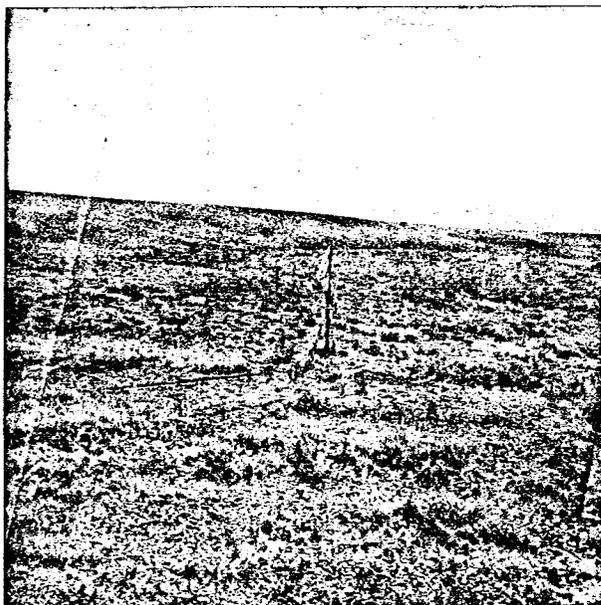
E. S. [Signature]
 District Supervisor

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria	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)						
516 DM 2.3.A								1-6-81	
1. Public health and safety						1, 2		6	8, 9
2. Unique characteristics						1	6	6	8, 9
3. Environmentally controversial						1	6	6	8, 9
4. Uncertain and unknown risks						2	6	6	8, 9
5. Establishes precedents							6	6	
6. Cumulatively significant								6	
7. National Register historic places									10
8. Endangered/threatened species						1	6		
9. Violate Federal, State, local, tribal law						1	6		8, 9

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. Recommended STIPULATIONS (USGS)
9. Memorandum to well file, dated 1-9-81
10. ARCHAEOLOGICAL REPORT (READ IN FIELD) Recommending clearance



SHELL
#1-19

↑
E

RECOMMENDED STIPULATIONS

1. SEE BLM STIPULATIONS
2. An H₂S Contingency Plan, following the guidelines of the attached Checklist for Drilling in an H₂S Environment shall be submitted and approved by USGS prior to drilling out the surface casing
3. The approved H₂S Contingency plan shall be implemented including the installation of all safety equipment when drilling has reached 1000 ft. above or within 7 days of penetrating (whichever is the lesser) the Navajo formation
4. IF H₂S gas is discovered prior to Contingency Plan implementation, operations will cease until all safety equipment and plan procedures are operational
5. The drillpipe, casing, BOP equipment and wellhead shall be H₂S serviceable.
6. The Navajo formation will be cased off and cemented to prevent contamination of potential fresh water. Unless it can be shown that CO₂ gas in the Navajo can be positively controlled and sealed in, the surface casing shall be

extended below the gas zone in the Navajo.

7. If the well is abandoned, extra care must be used on plugging, and isolating the water zones to avoid both gas loss to other formations and to preserve the water quality in the Navajo.

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

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. U-31800
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Shell Oil Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. Box 831, Houston, Texas 77001		8. FARM OR LEASE NAME Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1412' FNL & 1541' FEL, Sec. 19, T15S R12E		9. WELL NO. 1-19
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Farnham Dome
15. ELEVATIONS (Show whether DF, RT, OR, etc.) GL 5652'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 19, T15S, R12E S.L.B&M
12. COUNTY OR PARISH		13. STATE Carbon Utah

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

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

(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.)*

Moved in and rigged up Brinkerhoff #9. Spud well at 9:00 PM 1-30-81.

RECEIVED
 DIVISION OF OIL, GAS & MINING
 STATE OF UTAH

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

SIGNED D. M. Jobe TITLE Supervisor DATE February 2, 1981
Regulatory-Permits

(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 TRIPLICATE*
(Other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

U-31800

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

1-19

10. FIELD AND POOL, OR WILDCAT

Farnham Dome

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

Sec. 19, T15S-R12E S.L.B&M

12. COUNTY OR PARISH

Carbon

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Shell Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 831, Houston, Texas 77001

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1412' FNL & 1541' FEL, Sec. 19, T15S-R12E

14. PERMIT NO.

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

GL 5652'

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) Well status report

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

X

(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.)*

Drilled well to a total depth of 5060'. Ran 118 jts 5-1/2" csg to 5060'. Cemented w/1100 sx 50/50 Poz. Released rig @ 6:00 PM 2-24-81. Presently waiting on Completion Rig.

RECEIVED
MAR 5 1981

DIVISION OF
OIL, GAS & MINING

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

SIGNED

E. M. Jaby

TITLE

Supervisor
Regulatory Permits

DATE

3-2-81

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

IAH

FARNHAM DOME

Shell-Federal USA 1-19
(D) Brinkerhoff #9
5000' Coconino Test
\$ M/\$905M
WI - 100%
GL 5652'
13-3/8" csg @ 30'

Status: 60% rigged up.

JAN 29 1981

UTAH

FARNHAM DOME

Shell-Federal USA 1-19
(D) Brinkerhoff #9
5000' Coconino Test
\$ 92M/\$905M
WI - 100%
GL 5652'
13-3/8" csg @ 30'

Status: 90% rigged up.

JAN 30 1981

UTAH

FARNHAM DOME

Shell-Federal USA 1-19
(D) Brinkerhoff #9
5000' Coconino Test
\$114M/\$905M
WI - 100%
GL 5652'
13-3/8" csg @ 30'

1-31-81

79/49//0/22. Status: Drilling.
Spud @ 9:00 PM 1-30-81.

Location: 1412' FNL, 1541' FEL
Section 19, T15S-R12E
Carbon County, Utah

2-1-81

309/230//1/22. Status: Drilling.
Dev. 1/4" @ 98', 1/4" @ 230'.

2-2-81

650/341//2/22. Status: W. O. fishing tools.
Dev. 0" @ 349', 1/2" @ 485', 1/4" @ 643'.

UTAH

FARNHAM DOME

Shell-Federal USA 1-19
(D) Brinkerhoff #9
5000' Coconino Test
\$126M/\$905M
WI - 100%
GL 5651'
13-3/8" csg @ 30'

650/0//3/22. Status: Working on pumps.
W. O. fishing tools. Make up fishing tools,
latch onto fish, lay down tools. Worked stuck
pipe, could not pull remainder of fish, tight
coming up, would pack off. Could not circ.
Raised vis. and worked pipe. Pipe came free
while reaming down. Finally broke loose
while pulling up.

Mud: (.463) 8.9 x 80

FEB - 3 1981

UTAH

FARNHAM DOME

Shell-Federal USA 1-19
(D) Brinkerhoff #9
5000' Coconino Test
\$133M/\$905M
WI - 100%
GL 5651'
13-3/8" csg @ 30'

829/179//4/22. Status: Circ for csg.
Dev. 1/2" @ 829'.

Mud: 8.9 x 50

FEB - 4 1981

UTAH

FARNHAM DOME

Shell-Federal USA 1-19
(D) Brinkerhoff #9
5000' Coconino Test
\$170M/\$905M
WI - 100%
GL 5651'
13-3/8" csg @ 30'
8-5/8" csg @ 829'

829/0//5/22. Status: W. O. Drilling spool.
Ran 20 jts 8-5/8" csg to 829'. Cmt w/290 sx
Light, 2% CACL, 1/4#/sx Flocele. Tail w/200 sx
Class "G", 2% CACL, 1/4#/sx Flocele. Bumped plug
@ 11:45 AM 2-4-81.

FEB - 5 1981

UTAH

FARNHAM DOME

Shell-Federal USA 1-19
(D) Brinkerhoff #9
5000' Coconino Test
\$179M/\$905M
WI - 100%
GL 5651'
13-3/8" csg @ 30'
8-5/8" csg @ 829'

829/0//6/22. Status: Pick up Dcs.
Nipple up BOPE. Test BOPE.

FEB - 6 1981

UTAH

FARNHAM DOME

Shell-Federal USA 1-19
(D) Brinkerhoff #9
5000' Coconino Test
\$206M/\$905M
WI - 100%
GL 5651', KB 5668'
13-3/8" csg @ 30'
8-5/8" csg @ 829'

2-7-81
1230/401//7/22. Status: Drilling.
Dev. 1/2" @ 976'.
Mud: (.447) 8.6 x 33

2-8-81
1620/390//22/8. Status: Work on swivel packing.
Dev. 1-1/2" @ 1408'.
Mud: (.426) 8.5 x 32

2-9-81
1895/275//9/22. Status: Drilling.
Dev. 2-1/2" @ 1698'.
Mud: (.452) 8.7 x 34

UTAH

FARNHAM DOME

Shell-Federal USA 1-19
(D) Brinkerhoff #9
5000' Coconino Test
\$218M/\$905M
WI - 100%
GL 5651', KB 5668'
13-3/8" csg @ 30'
8-5/8" csg @ 829'

2126/231//10/22. Status: Drilling.
Dev. 2" @ 1905', 2" @ 2028'.
Mud: (.462) 8.9 x 36

FEB 10 1981

UTAH

FARNHAM DOME

Shell-Federal USA 1-19
(D) Brinkerhoff #9
5000' Coconino Test
\$244M/\$905M
WI - 100%
GL 5651', KB 5668'
13-3/8" csg @ 30'
8-5/8" csg @ 829'

2511/385//11/22. Status: Mixing LCM.
Lost complete returns, lost 250 bbls mud.
Dev. 1" @ 2323'.
Mud: (.468) 9 x 30 x 40

FEB 11 1981

UTAH

FARNHAM DOME
Shell-Federal USA 1-19
(D) Brinkerhoff #9
5000' Coconino Test
\$276M/\$905M
WI - 100%
GL 5651', KB 5668'
13-3/8" csg @ 30'
8-5/8" csg @ 829'

2998/487//12/22. Status: Drilling.
Dev. 2⁰ @ 2666'.
Mud: (.468) 9 x 33 x 9

FEB 12 1981

UTAH

FARNHAM DOME
Shell-Federal USA 1-19
(D) Brinkerhoff #9
5000' Coconino Test
\$293M/\$905M
WI - 100%
GL 5651', KB 5668'
13-3/8" csg @ 30'
8-5/8" csg @ 829'

3154/156//13/22. Status: Drilling.
Mud: (.4628) 8.9 x 32 x 11

FEB 13 1981

UTAH

FARNHAM DOME
Shell-Federal USA 1-19
(D) Brinkerhoff #9
5000' Coconino Test
\$343M/\$905M
WI - 100%
GL 5651', KB 5668'
13-3/8" csg @ 30'
8-5/8" csg @ 829'

2-14-81
3461/307//14/22. Status: Drilling.
Mud: (.4628) 8.9 x 32 x 9.5

2-15-81
3523/162//15/22. Status: Drilling.
Dev. 1-1/2⁰ @ 3467'.
Mud: (.456) 8.8 x 33 x 14.2

2-16-81
3794/171//16/22. Status: Drilling.
Mud: (.4576) 8.8 x 31 x 9.5

2-17-81
4120/326//17/22. Status: Drilling.
Lost 100 bbls mud, regained circ.
Dev. 1-1/4⁰ @ 3946'.
Mud: (.4628) 8.9 x 33 x 9.6

UTAH

FARNHAM DOME
Shell-Federal USA 1-19
(D) Brinkerhoff #9
5000' Coconino Test
\$353M/\$905M
WI - 100%
GL 5651', KB 5668'
13-3/8" csg @ 30'
8-5/8" csg @ 829'

4440/320//18/22. Status: Drilling.
At 4430' lost approximately 25 bbls mud.
Mud: (.452) 8.7 x 32 x 12.2

FEB 18 1981

UTAH

FARNHAM DOME
Shell-Federal USA 1-19
(D) Brinkerhoff #9
5000' Coconino Test
\$365M/\$905M
WI - 100%
GL 5651', KB 5668'
13-3/8" csg @ 30'
8-5/8" csg @ 829'

4728/288//19/22. Status: Drilling.
Mud: (.457) 8.8 x 34 x 10.5

FEB 16 1981

UTAH

FARNHAM DOME
Shell-Federal USA 1-19
(D) Brinkerhoff #9
5000' Coconino Test
\$379M/\$905M
WI - 100%
GL 5651', KB 5668'
13-3/8" csg @ 30'
8-5/8" csg @ 829'

4898/170//20/22. Status: Drilling.
Dev. 3-1/2" @ 4786'.
Mud: (.462) 8.9 x 35 x 9

FEB 20 1981

UTAH

FARNHAM DOME
Shell-Federal USA 1-19
(D) Brinkerhoff #9
5000' Coconino Test
\$448M/\$905M
WI - 100%
GL 5651', KB 5668'
13-3/8" csg @ 30'
8-5/8" csg @ 829'

2-21-81
5026/128//21/22. Status: Circ & cond hole.
Lost circ, mixed LCM @ 4938', regained circ.
Lost circ, mixed LCM @ 5011', regained circ.
Lost circ, mixed LCM @ 5026', regained circ.
Mud: (.462) 8.9 x 38 x 11.5

2-22-81
5060/34//22/22. Status: W. O. Loggers.
Dev. 3-1/2" @ 5060'.
Mud: (.462) 8.9 x 46 x 9.4

2-23-81
5060/0//23/22. Status: Circ & cond hole to run csg.
Ran DIL/SFL/GR/SP, CNL/FDC/GR/CAL, BHC Sonic/ITT/GR/
CAL, PML/GR/ML, Sidewall core/GR.
Mud: (.462) 8.9 x 40 x 9.4

UTAH

FARNHAM DOME
Shell-Federal USA 1-19
(D) Brinkerhoff #9
5000' Coconino Test
\$478M/\$905M
WI - 100%
GL 5651', KB 5668'
13-3/8" csg @ 30'
8-5/8" csg @ 829'
5-1/2" csg @ 5060'

5060/0//24/22. Status: Setting 5-1/2" slips.
Ran 118 jts 5-1/2" csg to 5060'. Cmt w/1100
sx 50/50 Poz, 2% gel, 10% slat, 1-1/2#/sx D-29,
1% D-60, 1% CACL. Bumped plug @ 10:45 PM 2-23-81.
Mud: (.462) 8.9 x 45 x 9.1

FEB 24 1981

UTAH

FARNHAM DOME

Shell-Federal USA 1-19

(D) Brinkerhoff #9

5000' Coconino Test

\$572M/\$905M

WI - 100%

GL 5651', KB 5668'

13-3/8" csg @ 30'

8-5/8" csg @ 829'

5-1/2" csg @ 5060'

TD 5060/0//25/22. Status: Rig released.

Released rig @ 6:00 PM, 2-24-81.

Cost \$572,133

FEB 25 1981

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		APR 6 1981		5. LEASE DESIGNATION AND SERIAL NO. U-31800
2. NAME OF OPERATOR Shell Oil Company		DIVISION OF OIL, GAS & MINING		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 831, Houston, Texas 77001				7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1412' FNL & 1541' FEL, Section 19, T15S-R12E				8. FARM OR LEASE NAME Federal
14. PERMIT NO.		15. ELEVATIONS (Show whether DF, RT, OR, etc.) GL 5652'		9. WELL NO. 1-19
				10. FIELD AND POOL, OR WILDCAT Farnham Dome
				11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 19, T15S-R12E S.L.B&M
				12. COUNTY OR PARISH Carbon
				13. STATE Utah

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

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

(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.)*

Waiting on completion rig.

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

SIGNED E. M. Jobe TITLE Supervisor, Regulatory-Permits DATE April 1, 1981

(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 (0) APPLICATION*
Instructions on reverse side

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-31800
2. NAME OF OPERATOR Shell Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 831, Houston, Texas 77001 Attn G. M. Jobe		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1412' FNL & 1541' FEL, Se. 19, T15S-R12E		8. FARM OR LEASE NAME Federal
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) GL 5652'	9. WELL NO. 1-19
		10. FIELD AND POOL, OR WILDCAT Farnahm Dome
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 19, T15S-R12E S.L.B.&M
		12. COUNTY OR PARISH Carbon 13. STATE Utah

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

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

(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.)*

Waiting on completion rig.

MAY 4 1981
DIVISION OF OIL, GAS & MINING

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

SIGNED J. M. Jobe TITLE Supervisor-Regulatory-Permits DATE May 1, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

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

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Shell Oil Company</p> <p>3. ADDRESS OF OPERATOR P. O. Box 831, Attn G. M. Jobe, Houston, TX 77001</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1412' FNL & 1541' FEL, Sec. 19, T15S-R12E</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. U-31800</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Federal</p> <p>9. WELL NO. 1-19</p> <p>10. FIELD AND POOL, OR WILDCAT Farnham Dome</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 19, T15S-R12E S.L.B.&M</p> <p>12. COUNTY OR PARISH Carbon</p> <p>13. STATE Utah</p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) GL 5652'</p>	

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

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

Waiting on completion rig.

JUN 8 1981
DIVISION OF OIL, GAS & MINING

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

SIGNED G. M. Jobe TITLE Supervisor, Regulatory-Permits DATE June 1, 1981

(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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Shell Oil Company, Attn G. M. Jobe		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 831, Houston, TX 77001		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1412' FNL & 1541' FEL, Section 19, T15S-R12E		8. FARM OR LEASE NAME Federal
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, OR, etc.) GL 5652'	9. WELL NO. 1-19
		10. FIELD AND POOL, OR WILDCAT
		11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec. 19, T15S-R12E, S.1.B.&M
		12. COUNTY OR PARISH Carbon
		18. STATE Utah

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

(Other) Well status report

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

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Waiting on completion rig.

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

SIGNED B.M. Jobe TITLE Supervisor, Regulatory-Permits DATE July 2, 1981

(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 TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Shell Oil Company, Attn G. M. Jobe, 5408 WCK		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 831, Houston, TX 77001		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1412' FNL & 1541' FEL, Section 19, T15S-R12E		8. FARM OR LEASE NAME Federal
14. PERMIT NO.		9. WELL NO. 1-19
15. ELEVATIONS (Show whether DF, RT, GR, etc.) GL 5652'		10. FIELD AND POOL, OR WILDCAT Farnham Dome
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 19, T15S-R12E, S.L.B.&M
		12. COUNTY OR PARISH Carbon
		13. STATE Utah

RECEIVED
AUG 07 1981
DIVISION OF OIL, GAS & MINING

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

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

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.)*

Waiting on completion rig.

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

SIGNED D.M. Jobe TITLE Administrator, Regulatory-Permits DATE August 3, 1981

(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

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for 1980 proposals.)

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Shell Oil Company, Attn G. M. Jobe		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 831, Houston, TX 77001		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1412' FNL & 1541' FEL, Section 19 T15S-R12E		8. FARM OR LEASE NAME Federal
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) GL 5652'	9. WELL NO. 1-19
		10. FIELD AND POOL, OR WILDCAT Farnham Dome
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 19 T15S-R12E
		12. COUNTY OR PARISH Carbon
		13. STATE Utah

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

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

Waiting on completion rig.

18. I hereby certify that the foregoing is true and correct
SIGNED S. M. Jobe TITLE Administrator, Regulatory-Permits DATE September 1, 1981

(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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Federal
9. WELL NO. 1-19
10. FIELD AND POOL, OR WILDCAT Farnham Dome
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 19 T15S-R12E S.L.B&M
12. COUNTY OR PARISH
13. STATE Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Shell Oil Company, Attn G. M. Jobe, 5468

3. ADDRESS OF OPERATOR
P. O. Box 831, Houston, TX 77001

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1412' FNL & 1541' FEL, Section 19 T15S-R12E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
GL 5652'

RECEIVED
DIVISION OF OIL, GAS & MINING

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

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

(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.)*

Waiting on completion rig.

18. I hereby certify that the foregoing is true and correct
SIGNED D. M. Jobe TITLE Administrator, Regulatory-Permits DATE October 2, 1981

(This space for Federal or State office use)

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

October 13, 1981

Shell Oil Company
Attn: G. M. Jobe, 5468 WCK
P.O. Box 831
Houston, TX 77001

Re: Well No. Federal 1-19
Sec. 19, T. 15S, R. 12E
Carbon County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

R RULE C-5 Within ninety (90) days after the suspension of operations on, abandonment of, or the completion of any well drilled for the production of oil and/or gas, and within ninety (90) days after the completion of any further operations on the well, if such operations involved drilling deeper or drilling or re-drilling any formation, a well log shall be filed with the Commission on a form prescribed by the Commission, together with a copy of the electric and radioactivity logs if run.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

TERRI REID
CLERK TYPIST

Enclosure

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

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Shell Oil Company, ATTN G. M. Jobe 5468 WCK		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 831, Houston, TX 77001		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1412' FNL & 1541' FEL, Section 19		8. FARM OR LEASE NAME Federal
14. PERMIT NO.		9. WELL NO. 1-19
15. ELEVATIONS (Show whether DF, RT, GR, etc.) GL 5652'		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec 19, T15S-R12E S.L.B & M
		12. COUNTY OR PARISH 13. STATE Carbon Utah

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

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

(Other) Well status report

(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.)*

Waiting on completion rig.

NOV 06 1981

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

SIGNED G. M. Jobe TITLE Administrator Regulatory-Permits DATE 11-2-81

(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 TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR Shell Oil Company</p> <p>3. ADDRESS OF OPERATOR P. O. Box 831, Houston, TX 77001</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1412' FNL & 1541' FEL, Section 19</p> <p>14. PERMIT NO.</p>		<p>5. LEASE DESIGNATION AND SERIAL NO.</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Federal</p> <p>9. WELL NO. 1-19</p> <p>10. FIELD AND POOL, OR WILDCAT Altamont</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 19, T15S-R12E S.L.B. & M</p> <p>12. COUNTY OR PARISH Carbon</p> <p>13. STATE Utah</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) GL 5652'</p>		

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

(Other) Well status report

(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.)*

Well is in testing stage to determine if it can be produced commercially.

RECEIVED

DEC 07 1981

DIVISION OF
OIL, GAS & MINING

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

SIGNED Steven M. Jobs TITLE Administrator DATE 12-2-81
Regulatory-Permits

(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 TRIPLICATE*
(Other instructions on
reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Shell Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 831, Houston, TX 77001		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1412' FNL & 1541' FEL, Section 19		8. FARM OR LEASE NAME Federal
14. PERMIT NO.		9. WELL NO. 1-19
15. ELEVATIONS (Show whether DF, RT, GR, etc.) GL 5652'		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec 19, T15S-R12E
		12. COUNTY OR PARISH Carbon
		13. STATE Utah

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

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

(Other) Well status report

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

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RECEIVED

JAN 07 1982

DIVISION OF
OIL, GAS & MINING

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

SIGNED Richard L. Tyler TITLE Sr. Engr. Tech. DATE 1-5-82

(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 TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO.
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR <u>Shell Oil Company</u>		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR <u>P. O. Box 831, Houston, TX 77001</u>		8. FARM OR LEASE NAME <u>Federal</u>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>1412' FNL & 1541' FEL, Section 19</u>		9. WELL NO. <u>1-19</u>
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT <u>Altamont</u>
15. ELEVATIONS (Show whether DF, RT, OR, etc.) <u>GL 5652'</u>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>Sec. 19, T15S-R12E</u>
		12. COUNTY OR PARISH <u>Carbon</u>
		13. STATE <u>Utah</u>

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

(Other) Well Status Report

(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.)*

Well is in testing stage to determine if it can be produced commercially.

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

SIGNED S. M. Jobe TITLE Administrator Regulatory-Permits DATE 2-4-82

(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

WELL INSPECTION RECORD

NAME OF COMPANY: Shell Oil Company

WELL NAME: Federal #1-19

SECTION: 19 TOWNSHIP: 15S RANGE: 12E COUNTY: Carbon

DATE: February 23 19 82 LOCATION INSPECTED

TOTAL DEPTH: 5060' AT TIME OF VISIT

NAME OF DRILLING CONTRACTOR: Brinkerhoff Singal

RIG NUMBER: 9

COMMENTS:

Work over rig on the well, planning to give it a small acid treatment.

This is a Co₂ well into the coconio sandstone. The site appeared clean and well kept.

DATE: February 23, 1982 SIGNED: C.B. Feight

SEND TYPED COPY TO COMPANY: YES NO

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

SUBMIT IN TRIPPLICATE*
(Other instructions on
reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
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4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1412' FNL & 1541' FEL, Section 19		8. FARM OR LEASE NAME Federal
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15. ELEVATIONS (Show whether DF, RT, OR, etc.) GL 5652'		10. FIELD AND POOL, OR WILDCAT Altamont
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		12. COUNTY OR PARISH Carbon
		13. STATE Utah

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FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
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REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	

(Other) Well Status Report (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.)*

Well is in testing stage to determine if it can be produced commercially.

18. I hereby certify that the foregoing is true and correct
SIGNED B. M. Jobs TITLE Administrator DATE 3-3-82
Regulatory-Permits

(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 TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

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Well is in testing stage to determine if it can be produced commercially.

RECEIVED
APR 5 1982

DIVISION OF
OIL, GAS & MINING

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

SIGNED

Richard L. Lyle

TITLE Sr. Engineering Tech.

DATE 3-31-82

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

7

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other CO2

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

2. NAME OF OPERATOR
Shell Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 831 Houston, Tx 77001 ATTN: P.G. GELLING #6459 WCK

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1412' FNL + 1541' FEL Sec. 19
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.
U-31800

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
FEDERAL

9. WELL NO.
1-19

10. FIELD AND POOL, OR WILDCAT
Undesignated
~~FARMPOOL~~

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec 19 T155 R12E

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APR 19 1982
SWNE

14. PERMIT NO. 43-007-300 DATE ISSUED 1-20-81

12. COUNTY OR PARISH CARBON 13. STATE UTAH

15. DATE SPUNDED 1-30-81 16. DATE T.D. REACHED 2-22-81 17. DATE COMPL. (Ready to produce) WELL TA'd 3-18-82 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5668' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5060' 21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
WINGATE TOP @ 3200'
NAVATO TOP @ 2760' SINGAD TOP @ 4420' (WELL TA'd)

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN
DIL/SFL/GR/SP, CNL/FDC/GR/CAL, BHC Sonic/ITC/GR/CAL, PML/GR/ML, Sidewall Core/GR

27. WAS WELL CORED

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"		30'	17 1/2"		
8 5/8"	24 #	829'	12 1/4"	490 SX	
5 1/2"	17 #	5060'	7 7/8"	1100 SX	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

Interval	Size	Number
2784-2800	3290-3338	
2954-2976	4426-4474	2 shots
3058-3068	4835-4839	per foot
3226-3246	4968-5032	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
SEE	ATTACHED

33. PRODUCTION

DATE FIRST PRODUCTION WELL TA'd 3-18-82 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL T.A.'d WELL STATUS (Producing or shut-in) WELL T.A.'d

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

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

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

35. LIST OF ATTACHMENTS

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

SIGNED W. F. N. KELL DORE TITLE DIVISION PROD. ENGINEER DATE 4-12-82

*(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	
				NAME	MEAS. DEPTH
				NAVATO	2760
				WINGATE	3200
				SINBAD	4420
				KAIBAB	4783
				COCONINO	4946

PERFORATIONSTREATMENT

4968 - 5032

5000 gal 15% HCL
abandon w/75 sx cmt

4835 - 4839

1000 gal 15% HCL
abandon w/CIBP and 2 sx cmt

4426 - 4474

5000 gal 15% HCL
abandon w/CIBP and 2 sx cmt

3226 - 3246

2000 gal 15% HCL
squeezed perfs
5920 gal 15% HCL
reacidized 4000 gal 15% HCL

reperforated 3226-3246

additionally perforated
3290 - 33385000 gal 15% HCL
squeezed gross perfs twice

3058 - 3068

1500 gal 15% HCL
abandon w/CIBP and 2 sx cmt

2954 - 2976

1500 gal 15% HCL
abandon w/CIBP and 2 sx cmt

2784 - 2800

2000 gal 15% HCL
abandon w/CIBP and 10 sx cmt

ALTAMONT OPERATIONS
DAILY OPERATIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 367
ISSUED 04/12/82

WELL: FEDERAL 1-19
LABEL: FIRST REPORT
AFE: 511831
FOREMAN: JIM DEAN
RIG: WESTERN #19
OBJECTIVE: NEW WELL COMPLETION
AUTH. AMNT: NOT AVAILABLE YET
DAILY COST: 4700
CUM COST: 4700
DATE: 11-23-81
ACTIVITY: 11-23-81 STATUS: RIG UP AND INSTALL BOPS.
02 11-23-81 ACTIVITY: MOVED RIG FROM ALTAMONT TO
03 PRICE UTAH. RIG UP AND INSTALL BOPS. READY
04 TO START PICKING UP TBG. ON A.M. OF 24TH.
05 MOTEL PHONE IS 801-637-3520.
06 RIG PHONE IS 801-353-4190 BUT YOU HAVE TO CONTACT
07 THE MOAB MOBILE OPERATOR TO REACH THE RIG.

LABEL: -----
DAILY COST: 2400
CUM COST: 7100
DATE: 11-24-81
ACTIVITY: 11-24-81 ACTIVITY: R.I.H. WITH BIT AND CSG.
02 SCRAPER ON 2 7/8 INCH WORKSTRING. HIT TOP
03 OF CEMENT AT 4894 FT AND DRILL OUT CEMENT TO
04 4986 FT. S.D.O.N.
05 NOTE: 11-24-81 HELD H2S SCHOOL WITH SAFETY
06 INTERNATIONAL. ALSO HELD CO2 SCHOOL WITH SHELL
07 SAFETY REPRESENTIVE ON LOCATION. INSTALL H2S
08 MONITORING EQUIPMENT ON TEST TANK AND RIG TANK.
09 AND ON WELL HEAD CELLAR AND BY OPERATORS STAND.
10 WINDSOCKS INSTALLED ON TEST TANK AND RIG TANK.
11 H2S TRAILER ON LOCATION WITH SAFETY EQUIP.

LABEL: 811130
DAILY COST: 2200
CUM COST: 9300
DATE: 11-25-81
ACTIVITY: 11-25-81 ACTIVITY: FINISHED DRILLING OUT CEMENT TO
02 5046 CIRCULATED HOLE CLEAN PT CSG 3000 PSI HELD OK
03 DISPLACED FLUID IN HOLE W/4% KCL WTR INHIB 2 GAS PER
04 1000 GAL FLUID CORROSION INHIB POOH W/TBG LAID DOWN
05 CSG SCRAPER AND BIT ALSO LAID DOWN 2000 FT. TBG AND
06 STOOD 3000 FT. TBG IN THE DERRICK
07 11-26-27-28-29-81 STATUS: SHUT DOWN FOR HOLIDAY

LABEL: 811201
DAILY COST: 6006

ALBERTSON OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 367
ISSUED 04/12/82

CUM COST: 15306
DATE: 11-30-81
ACTIVITY: 11-30-81 ACTIVITY: RIGGED UP OWP RAN STATIC TEMP SURVEY
02 FROM 100 FT. TO 5046 FT. 60 DEGREES TO 129 HOLE WAS FILLED
03 ON 11-25-81 WITH 1500 PSI SURFACE PRESSURE ON CSG RAN
04 CBL/CCL/GR FROM PBD TO 1900 FT. EXCELLENT BONDING EXCEPT
05 AREA 3220 FT. TO 3374 FT. WHICH SHOWS 50% BONDING CEMENT
06 TOP @ 2204 FT. OWP TO 5037 FT. BONDING EXCELLENT BETWEEN
07 2204 FT. TO 3220 FT. RIGGED DOWN OWP RAN IN HOLE WITH 3000
08 FT. 27/8 IN TBG WILL SWAB CSG DOWN IN AM (12-1-81) PRIOR
09 TO PERFORATING
10 NOTE-MR. A. GRAHM WITH UTAH OCCUPATION SAFTY AND HEALTH
11 DIV. OF THE INDUSTRIAL COMMISSION OF UTAH INSPECTED WESTERN
12 OIL WELL SERVICE CO. RIG NO. 19 ON 11-25-81 DID NOT FIND
13 ANY DEFICIENCIES

LABEL: 811202
DAILY COST: 11807
CUM COST: 27113
DATE: 12-1-81
ACTIVITY: 12-1-81 ACTIVITY: SWAB CSG TO 2150 FT. POOH W/TBG
02 RU OWP PERF 5032-31-30-29-28-27 5004-03-03 4970-69-
03 68 W/ 4 IN. GUNS 2 JSP DEPTH REFER TO SCHLUMBERGER
04 SDC/CNL/GR 2-22-81 0 PSI AFTER PERF FLUID LEVEL RE-
05 MAINED THE SAME RD OWP RIH BAKER RETRIEVE-AMATIC PKR
06 SPERRY SUN BHA 27/8 IN. ITC TBG TO 3100 FT. SDON

LABEL: 811203
DAILY COST: 16774
CUM COST: 43887
DATE: 12-2-81
ACTIVITY: 12-2-81 ACTIVITY: SLIGHT PUFF ON TBG FINISH RIH
02 W/TBG SET PKR @ 4922 FT. PT TB TO 3000 PSI OK PT
03 PKR TO 1000 PSI OK REMOVE BOPS INST. X-TREE HOOKED
04 UP SPERRY SUN RECORDER SWAB TBG DOWN WELL MAKING A
05 LITTLE WTR PREPARE TO ACID TREAT PERFS.
06 SDON

LABEL: 811204
DAILY COST: 13585
CUM COST: 57745
DATE: 12-3-81
ACTIVITY: 12-3-81 ACTIVITY: FIND FLUID LEVEL @ 1300 FT. SWAB TBG DWN
02 TO 2300 FT. CO2 PRESENT BUT WELL WOULD NOT FLOW RIGGED UP
03 B J HUGES TO ACID TREAT PERFS 5032 FT. TO 4968 FT. 24 HOLES
04 5000 GALS 15% HCL DROPPING 1 7/8 IN. BALL SEALER EVERY 135
05 GALS FOR A TOTAL OF 37 BALLS 7 BPM 850 PSI TO 3000 PSI BALLS
06 OUT PRESSURE FROM WELL FINISHED PUMPING ACID GOOD BALL OUT
07 DISPLACED W/40 BBLs 4% KCL 4BPM 1200 PSI WELL ON VACUUM

ATTACHMENT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 367
ISSUED 04/12/82

08 WAITED 1 HALF HR STARTED SWABBING @ 11:30 AM SWABBED A TOTAL
09 OF 115 BBLs APPROX SOME GAS W/WTR FLUID LEVEL HOLDING @ 1400
10 FT. FROM SURFACE THROUGH OUT THE DAY FOUND 1300 PARTS PER
11 MILL. H₂S ON THE NEXT TO THE LAST SWAB RUN @ THE END OF THE
12 SWAB RUN 100 PARTS PER MILL. PRIOR TO THE RUN LAST SWAB RUN
13 1400 PARTS PER MILL. SHUT WELL IN SAFTEY INTERNATIONAL SAFETY
14 GRIP ON LOCATION ALL DAY

LABEL: 811207
DAILY COST: 3970
CUM COST: 39066
DATE: 12-4-5-81
ACTIVITY: 12-4-81 ACTIVITY: 75 BBLs ON WELL BLED GAS LONG ENOUGH
02 TO TEST 250 PPM H₂S BACK WELL DOWN WITH 40 BBLs 4% KLC
03 INSTALLED BOPS UNSEATED PKR POOH WITH 27/8 IN. IPC
04 TBG SPERRY SUN BHA AND PKR SI WELL NO TRACES OF H₂S
05 WHILE TRIPPING OUT OF HOLE PREPARING TO CEMENT PERFS
06 4968 FT TO 5032 FT THROUGH CEMENT RETAINER
07 12-5-81 ACTIVITY: WELL ON VAC RIH W/BAKER C.R. ON 27/8
08 TBG WORKSTRING SET RETAINER @ 4904 FT. PT TBG TO 3000
09 PSI CSG TO 1000 PSI RU DOWELL TO CEMENT PERFS 4968 FT.
10 TO 5032 FT. THRU RETAINER WITH 75 SARC H CONTAINING 4%
11 HALED 9 PUMPED 5 BBLs FW SPACER AND CEMENT SLURRY DIS-
12 PLACED IN 5 BBLs FW SPACER FOLLOWED BY 22.5 BBLs 4% KCL
13 2 BPM 0 PSI UNSTUNG FROM RETAINER LAID 1 JT DOWN REVERSE
14 OUT W/50 BBLs 4% KCL 1/2 BBL CEMENT RETURNS POOH W/TBG WORK
15 STRING TO 3000 FT. SWABBED CSG DOWN TO 2000 FT. FINISHED
16 POOH W/TBG AND SI WELL

LABEL: 811208
DAILY COST: 3479
CUM COST: 72545
DATE: 12-7-81
ACTIVITY: 12-7-81 ACTIVITY: HELD H₂S SCHOOL FOR OWP WITH
02 SAFETY INTERNATIONAL REPRESENTATIVE ON LOCATION
03 FOUND CSG ON A VACUUM RU OWP TO RUN DEPTH CHECK
04 FOUND CEMENT TOP @ 4878 FT. FLUID LEVEL @ 2230
05 FT. RD OWP ATTEMPTED TO PT CSG PRESSURE UP TO 2000
06 PSI BLED OFF SLOWLY RIH W/4.65 GUAGE RING AND JUNK
07 BASKET TO 4878 FT. POOH RIH W/BAKER CIBP AND SET
08 @ 4870 FT. RD OWP PT CIBP TO 2500 PSI OK RIH W/3000
09 FT. OF 27/8 IN. TBG WORK STRING PREPARE TO SWAB CSG
10 DOWN PRIOR TO PERFORATING SDON
11 12-8-81 STATUS: CSG NOT ON VACUUM @ 6:30 AM

LABEL: 811209
DAILY COST: 16142
CUM COST: 88687
DATE: 12-8-81

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ACTIVITY: 12-8-81 ACTIVITY: SWAB FLUID LEVEL DOWN TO 2000 FT.
02 IN CSG POOH W/TBG WORK STRING RU OWP TO PERFORATE 4835-
03 4836-4837-4838-4839 FT. W/4 IN. GUN 23 GRAM CHARGES 2
04 JSPF OWP FLUID LEVEL @ 1950 FT. NO CHANGE AFTER PERF-
05 ORATING NO BLOW RD OWP RIH W/BAKER RETRIEVE-A-MATIC PKR
06 SPERRY SUN BHA ON 27/8 IN. IPC TBG SET PKR @ 4733 FT.
07 FT TBG TO 3000 PSI FT CSG TO 1000 PSI REMOVE BOPS INSTAL-
08 LED TREE RECOVERED SV SHUT IN WELL

LABEL: -----
DAILY COST: 10169
CUM COST: 98856
DATE: 12-9-81
ACTIVITY: 12-9-81 SWAB TBG. DOWN TO 4733 FT. NO INFLOW
02 FLUID OR GAS. RIG UP DOWELL TO ACID TREAT PERF.
03 4835 FT. TO 4839 FT. WITH 1000 GAL. 15% HCL WITH
04 1 LB. 20/40 MESH. R.A.S. 1 7/8 INCH BALLSEALER
05 EVERY 65 GALL. 15 BALLS TOTAL. WITH 5 BBL. FLUSH
06 IN FORMATION. BROKE 2100 TO 1450 PSI.
07 GOOD BALL ACTION. TOTAL DISPLACEMENT 32 BBLs.
08 4% KCL 5 BBL MINUTE 800 PSI 56 BBL LOAD AVG 3
09 BBL PER MIN. 1000 PSI. 0 PSI IMMEDIATE SHUT IN.
10 WAITED 30 MINUTES AND STARTED SWABBING. GOOD
11 LEVEL 900 FT. FROM SURFACE. SWAB FLUID LEVEL
12 DOWN IN 5 RUNS. 10 PARTS PER MILLION H2S -H2S
13 ON 3 RUN NO TRACE AFTER THAT. MAKING SWAB RUNS
14 EVERY HALF HR. RECOVERED 3 TO 5 BBLs. EACH RUN.
15 TOTAL 60 BBLs. SWABBED. NO FLOW. SPARRY SUN
16 EQUIP. STUCK ON 168 PSI WHEN TBG. WAS SWABBED DOWN.
17 GAS FLUID LEVEL WITH FILL 700-1000 BETWEEN SWAB
18 RUNS.

LABEL: -----
DAILY COST: 2600
CUM COST: 101456
DATE: 12-10-81
ACTIVITY: 12-10-81 ACTIVITY: 100 # ON TBG. RECOVERED
02 GAS SAMPLE. NO TRACE OF H2S. WELL BLED DOWN
03 IMMEDIATELY FLUID LEVEL 1400 FT. FROM SURFACE.
04 SPARRY SUN EQUIP. SHOWS 1105 B.H.P. SWAB DOWN
05 IN 3 RUNS. WAITED HALF HOUR AND MADE 2 MORE RUNS.
06 RECOVERED WTR. SAMPLE AFTER SWABBING APPROX. 80
07 BBLs. PUMPED 30 BBLs. 4% KCL DOWN TBG. REMOVED
08 TREE AND INSTALLED BOPS. UNSEATED PKR. P.O.O.H.
09 WITH TBG. SPARRY SUN BHA AND PKR. RIG UP O.W.P.
10 AND R.I.H. WITH BAKER C.I.B.P. SET AT 4570 FT.
11 R.I.H. WITH DUMP BAILER SPOTTED 2 SACKS CEMENT
12 CAP ON TOP OF C.I.B.P. PRESSURE TESTED CSG. AND
13 C.I.B.P. TO 2500# RIG DOWN O.W.P. WILL

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14 SWAB CSG. DOWN PRIOR TO PERF. IN A.M.

LABEL: 811214
DAILY COST: 1400
CUM COST: 116873
DATE: 12-11-81
ACTIVITY: 12-11-81 ACTIVITY: RIH W/TBG TO 2100 FT. SWAB CSG DOWN
02 TO 1850 FT. POOH W/TBG RU OWP PERFORATE W/4 IN. GUN 23
03 GRAM CHARGES 0 DEGREE PHASING 2 JSPF 4474-73-72-69-68-67-
04 65-64-63-53-4452 NO BLOW OWPS FLUID LEVEL 1500 FT. FROM
05 SURFACE ON 1ST RUN 2ND RUN PERFORATED 4438-37-36-35-27-
06 4426 FLUID LEVEL 1500 FT. FROM SURFACE VERY VERY WEAK BLOW
07 NO H2S RD OWP STARTED IN HOLE W/BAKER RETRIEVE-A-MATIC PKR
08 SPERRY SUN BHA IPC TBG WILL SET PKR IN THE AM
09 12-11-81 ACTIVITY: 0 PSI ON WELL DROPPED SV PRESSURE TEST
10 TBG TO 3000 PSI OK SET PKR @ 4303 FT. REMOVE BOPES PRESS-
11 URE TEST CSG TO 1000 PSI OK INSTALLED TREE RECOVERED SV
12 WELL READY TO BE ACIDIZED 12-14-81 SPERRY SUN EQUIPMENT
13 HOOKED UP AND WORKING

LABEL: 811215
DAILY COST: 10975
CUM COST: 127848
DATE: 12-14-81
ACTIVITY: 12-14-81 ACTIVITY: ACIDIZED THE SINBAD ZONE FROM 4476-4426
02 FT. 8:00 AM OPENED WELL UP 0 PSI ON TBG SWAB TBG DOWN TO
03 4269 FT. RU DOWELL ACID EQUIP AND FT LINES TO 3000 PSI PUMP
04 10 BBLs 15% HCL ACID @ 6 BPM AND STARTED SAND AND BALLS ALL
05 TOTAL 30 BBLs OF ACID AND ACIDIZE THE ZONE PERF TBG PRES-
06 SURED UP TO 1500 PSI PUMP ADDITIONAL 2 BBLs @ 1/2 BPM FOR-
07 MATION BROKE DOWN @ 1500 PSI TO 800 PSI ADD 33 BBLs PUMP-
08 ING @ 8 BPM W/1000 PSI HAD GOOD BALL ACTION AND @ 40 BBLs
09 PRESS INCREASED TO 1400 PSI AND RATE DROPPED TO 6 BPM @
10 1400 PSI NO ADDITIONAL BALL ACTION PUMP A TOTAL OF 5000 GALS
11 15% HCL AND 25 GALS OF A200 INHIBATOR 10 GALS OF F78 15 LBS
12 OF J120 TOTAL 62 1.1 PACIFIC GRAVITY DROPPED BALLS @ 1.7
13 TO 2 BBLs INTERVAL AND SPRINKLE RA TRACER SAND ISIP 400 PSI
14 5 MIN 350 PSI 10 MIN 350 PSI 15 MIN 0 PSI OR NEAR 0 PSI DIS-
15 CONNECT DOWELL AND FLOW BACK APPROX 1 BBL TO PIT HOOKED UP
16 SWAB EQUIPMENT AND SWAB 3 RUNS APPROX 25 BBLs AND WELL
17 STARTED TO FLOW FLOWED WELL FOR 2 HRS HITTING WTR AND CO2
18 GAS NO H2S FLOWED ON 16/64 TBG CHOKE @ 300 PSI FOR 2 HRS
19 OPENED CHOKE TO 28/64 AND FLOWED FOR 3 1/2 HRS TBG PRESS
20 DROPPED FROM 1500 PSI TO 621 PSI HAD SOME H2S @ 4:00 PM
21 SHUT WELL IN FOR 1 HR PRESS BUILT UP FROM 200 PSI TO 725
22 PSI BHP FROM 621 PSI TO 1125 PSI 1 1/2 HRS SHUT IN TBG PRESS
23 @ 825 AND BHP @ 1201 PSI TOTAL ACID WAS 150 BBLs AND RECOV-
24 ERED APPROX 75 BBLs

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LABEL: 811216
 DAILY COST: 7252
 CUM COST: 135100
 DATE: 12-15-81
 ACTIVITY: 12-15-81 ACTIVITY: OPEN TBG 1000 PSI ON TBG 1340 PSI BHP
 TESTED WELL AS FOLLOWING
 02 9:30 AM-FTP 950-CHOKE 12/64
 03 10:00 AM-FTP 900-12/64 CHOKE-MCF GAS 800
 04 10:30 AM-FTP 800-CHOKE 14/64-MCF GAS 557-PPM H2S 60
 05 11:00 AM-FTP 745-CHOKE 16/64-MCF GAS 745
 06 11:30 AM-FTP 580-CHOKE 20/64-MCF GAS 637
 07 12:00 NOON-FTP 500-CHOKE 20/64-MCF GAS 792
 08 12:30 AM-FTP 480-CHOKE 14/64-MCF GAS 776
 09 1:00 PM FTP 480-MCF GAS 745 CHOKE 14/64
 10 1:30 PM-FTP 480-CHOKE 14/64-MCF GAS 745-PPM H2S 600
 11 2:00 PM-FTP 480-CHOKE 14/64-MCF GAS 572
 12 2:30 PM-FTP 480-CHOKE 14/64-MCF GAS 560-PPM H2S 500
 13 5.7 BBL OF WTR FROM 9:30 AM CORRECTED GRAVITY 1.39 PACIFIC
 14 GRAVITY. 3:00 PM-FTP 480-CHOKE 14/64-MCF GAS 572-@ 53 DEGREES
 15 3:30 PM-FTP 480-CHOKE 14/64-MCF GAS 578
 16 4:00 PM-FTP 480-CHOKE 14/64-MCF GAS 560
 17 5:00 PM-FTP 490-CHOKE 14/64-MCF GAS 578
 18 6:00 PM-FTP 500-CHOKE 14/64-MCF GAS 584-PPM H2S 600
 19 7:00 PM-FTP 500-CHOKE 14/64-MCF GAS 587 FROM 2-7 PM HAD 3.3
 20 BBLs OF WTR 8: PM-FTP 600-CHOKE 14/64-MCF GAS 590
 21 10:00 PM-FTP 650-14/64-MCF GAS 599-PPM H2S 800
 22 11:00 PM-FTP 650-CHOKE 14/64-MCF GAS 619
 23 12:00 PM-FTP 650-CHOKE 14/64-MCF GAS 617-PPM H2S 900
 24 1:00 AM-FTP 650-CHOKE 14/64-MCF GAS 591-@ 52 DEGREES
 25 2:00 AM-FTP 680-FTP 14/64-MCF GAS 621-PPM 825-@ 48 DEGREES
 26 3:00 AM-FTP 700-CHOKE 14/64-MCF GAS 707
 27 4:00 AM-FTP 800-CHOKE 14/64-MCF GAS 422-@ 46 DEGREES
 28 5:00 AM-FTP 750-CHOKE 14/64-MCF GAS 572-PPM 700 H2S
 29 6:00 AM-FTP 700-CHOKE 14/64-MCF GAS 541-@ 48 DEGREES
 30

LABEL: -----
 DAILY COST: 4671
 CUM COST: 139771
 DATE: 12-16-81
 ACTIVITY: TIME TBG. PSI/CHOKE MCF GAS PPM H2S COMMENTS
 02 8 A.M. 650# 16/64 NONE 600 AT 50.5 DEG.
 03 9 A.M. 650# 16/64 621 580
 04 10 A.M. 600# 695
 05 11 A.M. 580# 673
 06 12 NOON 600# 18/64 663 800 AT 52.5 DEG
 07 1 P.M. 560# 20/64 797
 08 3 P.M. 800# 699 BYPASS TREATER
 09 NOTE: W.H. METER READING LOWER THAN TREATERS
 10 METER

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11	5 P.M.	410#	689	675
12	6 P.M.	400#	669	
13	7 P.M.	400#	655	
14	8 P.M.	400#	655	
15	9 P.M.	350#	672	
16	10 P.M.	325#	792	
17	11 P.M.	325#	720	
18	MIDNIGHT	350#	851	
19	1 A.M.	350#	677	900
20	2 A.M.	350#	662	
21	3 A.M.	325#	744	
22	4 A.M.	350#	773	
23	5 A.M.	325#	1162	800
24	6 A.M.	325#	668	
25	7 A.M.	380#	732	
26	24 HRS. ON RIG.			

LABEL: -----

DAILY COST: 5901

CUM COST: 145672

DATE: 12-17-81

ACTIVITY: 12-17-81 ACTIVITY: TEST ON WELL IS AS FOLLOWS:

02 8 AM 733 MCF GAS 350 PSI 950 PPM H2S-9 AM 769 MCF
 03 350 PSI-10 AM 778 MCF 360 PSI 1000PPMH2S CHANGED
 04 ORIFICE TO 3 1/2 INCH METER RUN AND FLOWED AT MAX.
 05 12 NOON 100 PSI 5.4 PSI 5.4 DIFFERENTIAL-12:30PM
 06 100 PSI 5.4 PSI 5.4 DIF.-1PM CHANGE TO 7.5 ON TEST
 07 1 PM 95 PSI 5.3 DIF 5.2 PSI-1:30 PM 250 PSI 5.5
 08 DIF. 5.2 PSI-2 PM 175 PSI 5.4 DIF. 5.4 PSI-2:30 PM
 09 175 PSI 5.9 DIF. 5.2 PSI-CHANGE TO .25 ON CHOKE.
 10 3PM 150 PSI 4.8 DIF. 5.4 PSI-3:30 PM 250 PSI 5.8
 11 DIF. 5.1 PSI-4 PM 280 PSI 5.8 DIF. 5.1 PSI-
 12 4:30 PM 280 PSI 5.4 DIF. 5.0 PSI-5 PM 280 PSI 5.5
 13 DIF. 5.0 PSI-SHUT WELL IN FOR 2 HRS. AT 5 PM.
 14 5:15 PM 700 PSI 5:30 PM 825 PSI 5:45 PM 880 PSI
 15 6PM 925 PSI 6:15 PM 950 PSI 6:45 PM 960 PSI
 16 7PM 975 PSI 7:30 PM 1000 PSI FLOWED WELL AT.5%
 17 7:30 PM 1000 PSI 7.1 DIF. 7.4 PSI-8 PM 600 PSI 4.1
 18 DIF. 5.9 PSI-8:30 PM 600 PSI 4.1 DIF. 5.5 PSI-
 19 9 PM 600 PSI 3.4 DIF. 4.8 PSI 1000 PPM H2S-9:30 PM
 20 625 PSI 3.2 DIF. 4.6 PSI-CLOSED CHOKE TO .5%-
 21 10 PM 675 PSI 3.2 DIF. 4.6 PSI- 10:30 PM 675 PSI
 22 3.1 DIF. 4.4 PSI- 11 PM 625 PSI 3.3 DIF. 4.4 PSI-
 23 11:30 PM 650 PSI 3.2 DIF. 5.2 PSI 1300 PPMH2S
 24 OPEN AND FLOWED WELL FOR 2 HRS. 12 MIDNIGHT 100
 25 PSI 5.8 DIF. 5.5 PSI- 12:30 AM 100 PSI 5.4 DIF.
 26 5.6 PSI- 1 AM 100 PSI 5.5 DIF. 5.5 PSI- 1:30 AM
 27 100 PSI 5.4 DIF 5.6 PSI 1800 PPMH2S.

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LABEL: 811221
DAILY COST: 1811
CUM COST: 150722
DATE: 12-18-19-81
ACTIVITY: 12-18-81 ACTIVITY: CHANGE OUT 2 1/2 IN. ORFICE TO
02 21/4 IN. ORFICE AND 3 IN. MTR RUN FLOW TEST WFL
03 FOR 15 MIN. WIND CHANGE DIRECTION BLOWING ACROSS
04 LOCATION CLOSED WELL IN AND WAIT FOR WIND TO CHANGE
05 DIRECTION
06 12-19-81 ACTIVITY: WAIT TILL 10:00 AM FOR BREEZE TO
07 START BLOWING 10:00 AM PRESSURE WAS 1000 PSI 10:30
08 FLOW 1.7 MILLION MCF @ 120 PSI @ 39 DEGREES 11:00
09 FLOW 1.4 MILLION MCF @ 100 PSI @ 32 DEGREES SHUT OFF
10 TEST BECAUSE BREEZE WAS CIRCULATING IN ALL DI-
11 RECTIONS AND WAS UNABLE TO START TEST THE REST OF
12 THE DAY BECAUSE BREEZE COMPLETELY STOPPED

LABEL: 811223
DAILY COST: 8339
CUM COST: 159061
DATE: 12-21-81
ACTIVITY: 12-21-81 ACTIVITY: TESTED WELL AS FOLLOWING OPEN WELL @
02 8:30 AM 1000 PSI MAX RATE 9:00 1.58 MMCF 160 PSI @ 32
03 DEGREES 9:30 1.29 MMCF 90 PSI @ 41 DEGREES 10:00 1.19
04 MMCF @ 90 PSI @ 800 PPM H2S 10:30 1.00 MMCF 90 PSI 11:00 AM
05 1.18 MMCF @ 90 PSI 11:30 1.17 MMCF @ 90 PSI CLOSED WELL FOR
06 2 HRS AND RUN MIN DISTAINABLE FLOW RATE 3 PM 228 MCF @ 960
07 PSI 825 PPM H2S 3:30 271 MMCF @ 960 PSI @ 4PM 243 MCF @ 960
08 PSI 800 PPM H2S 5:00 178 MCF 960 PSI 5:30 170 MCF @ 960 PSI
09 RUN 75% OF MIN FLOW RATE 6:00 PM 105 MCF 960 PSI 6:30 127
10 MCF 960 PSI 7:10 111 MCF 960 PSI 7:30 129 MCF 960 PSI 8:00
11 PM 151 MCF 960 PSI RUN 25% OF MAX FLOW RATE 8:30 284 MCF
12 900 PSI 9:00 278 MCF 880 PSI 9:20 376 MCF 880 PSI 10:00
13 329 MCF 880 PSI 700 PPM H2S SHUT WELL IN FOR 2 HRS AND RUN
14 5% OF MIN FLOW RATE 12:00 MIDNIGHT 91 MCF 1000 PSI 852 PPM
15 H2S FLOW THRU AM 12:30 63 MCF 980 PSI 1:00 64 MCF 980 PSI
16 1:30 112 MCF 980 PSI 2:00 86 MCF 970 PSI RUN @ 50% MAX FLOW
17 RATE 2:30 106 MCF 970 PSI 3:00 725 MCF 600 PSI 3:30 628 MCF
18 670 PSI 4:00 590 MCF 700 PSI 4:30 578 MCF 740 PSI OPEN FLOW
19 WELL 5:00 1.58 MMCF 100 PSI 5:30 1.19 MMCF 90 PSI 6:00 1.26
20 MMCF 90 PSI 6:30 1.19 MMCF 90 PSI 800 PPM H2S SHUT IN FOR
21 2 HRS 7:15 880 PSI 7:30 910 PSI

LABEL: -----
DAILY COST: 2917
CUM COST: 161978
DATE: 12-22-81
ACTIVITY: 800 AM S.I. FTP 960 LBS. 845 AM FTP 1000 LBS.
02 B.H.P. 1157 LBS. 10 AM FTP 1000 LBS. BHP 1160

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03 LBS. 11 AM FTP 1000 LBS. BHP 1160 LBS. 12 NOON
04 FTP 1000 LBS. BHP 1161 LBS. 1 PM FTP 1000 LBS
05 BHP 1161 LBS. RECOVER APPROX. A TOTAL OF 91 BBLs
06 OF THE 150 BBLs. ACID LOAD SHUT DOWN EARLY TO
07 AVOID KILLING THIS WELL THIS AFTERNOON AND AGAIN
08 TOMORROW MORNING AND AVOID UNNECESSARY AMOUNT OF
09 UNFILTERED KCL WATER GOING INTO SINBAD FORMATION.

LABEL: 811228

DAILY COST: 13335

CUM COST: 185138

DATE: 12-23-24-81

ACTIVITY: 12-23-81 ACTIVITY: KILL WELL WITH DCL WTR AND REMOVE TREE
02 INSTALL BOP EQUIP POOH WITH PKR RIH WITH BAKER REMOVABLE
03 BRIDGE PLUG AND SET @ 3300 FT. PULL UP 30 FT. AND SPOT TWO
04 SACKS OF SAND ON TOP OF BRIDGE PLUG PULL UP TO 2400 FT.
05 AND SWAB FLUID LEVEL TO 1250 FT. POOH W/TBG RIG UP OWP AND
06 PERF INTERVALS FROM 3246 FT. TO 3240 FT. ALSO 3236 FT. TO
07 3226 FT. WITH 4 IN. GUN 23 GRAM CHARGES 2 JET HOLES PER FT.
08 O PHASING DECENTRALIAED HAD ABOUT 18 IN. H2O COLUMN BELOW
09 AFTER PERF INTERVAL 3246 FT. TO 3240 FT. NO ADDITIONAL BLOW
10 AFTER PERFORATING THE REST OF INTERVAL PUMPED ADDITIONAL
11 KCL WTR COWN CSG TO DEPRESS BLOW RU SPERRY SUN PRESSURE
12 MONITOR ON TOP OF BAKER EA RETRIEVABLE PKR RIH TO 3095 FT.
13 AND SET PKR CLOSE WELL IN TILL AM
14 12-24-81 ACTIVITY: OPEN UP TBG O PSI UNSEAT PKR AND RE SET
15 PKR @ 3099 FT. WITH 25000 PSI TENSION DROP STANDING VALVE
16 AND TEST TBG @ 3000 PSI FLANGE UP TREE AND TEST CSG TO
17 1000 PSI RIG UP SPERRY SUN MONITORING EQUIPMENT RU AND SWAB
18 FLUID LEVEL DOWN TO SETTING NIPPLE 3030 FT. SWAB ON WELL
19 UNTIL WE WERE GETTING FOAMED UP KCL WTR SWAB ADDITIONAL 11/2
20 HR BUT WAS UNABLE TO GET WELL TO START FLOWING SI WELL

LABEL: 811229

DAILY COST: 5281

CUM COST: 190419

DATE: 12-28-81

ACTIVITY: 12-28-81 ACTIVITY: OPEN UP WELL 1000 PSI ON TBG BLED PRES-
02 SURE OFF RU SWAB AND SWAB FLUID LEVEL TO 3030 FT. RU DOWELL
03 ACIDIZE EQUIPMENT TEST @ 2000 PSI PRESSURE CSG TO 1000
04 PSI AND ACIDZE THE WINGATE FORMATION AS FOLLOWS START
05 ACID @ 3 BPM PUMP 10 BBLs AND PRESSURE WENT TO 400 PSI IN-
06 CREASD RATE TO 3 1/2 BPM PRESSURE @ 600 PSI INCREASED RATE
07 TO 4 1/2 BPM PRESSURE @ 600 PSI HAD BALL ACTION 24 BBLs 24
08 BBLs PRESSURE INCREASED TO 620 PSI W/4 1/2 BPM BALL ACTION
09 @ 39 BBL PRESSURE INCREASED TO 650 PSI W/4 1/2 BPM BALL
10 ACTION @ 49 BBLs. PRESSURE INCREASED TO 700 PSI W/4 1/2 BPM
11 PUMP THE REST OF THE ACID AND FLUSH @ 750 PSI 4 1/2 BPM TOTAL
12 BBLs 71 INCLUDING FLUSH ISIP 600 PSI 5 MIN-500 PSI 10 MIN-

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13 440 PSI 15 MIN-390 PSI AVG 4 BPM W/AVG PRESS 600 PSI MAX
14 PRESS 750 PSI DISCONNECT DOWELL ACID EQUIPMENT OPEN UP
15 WELL TO FLOW WELL FLOWED APPROX 1-1/2 BBLs RU SWAB EQUIP-
16 MENT AFTER THE 4TH SWAB RUN FLUID LEVEL @ 2500 FT. SWAB-
17 BED APPROX 35 BBLs W/EACH LOAD 50% TO 60% CO2 GAS PUMPED
18 A TOTAL 2000 GAL OF 15% HCL W/6 GAL OF F78 AND 8 GALS OF
19 8200 DROPPED 54 BA;S 1.1 PHYSIC GRAVITY 7/8 IN. BALLS

LABEL: 811230
DAILY COST: 13042
CUM COST: 203461
DATE: 12-29-81
ACTIVITY: 12-29-81 ACTIVITY: THAW OUT TREE AND MASTER VALVE RE-
02 PLACED PIN IN UPPER MASTER VALVE WEDGE SEAT 100 PSI
03 ON TBG AND 990 PSI BHP BLED PRESSURE OFF RU SWAB AND
04 PEG FLUID LEVEL @ 1000 FT. SWABBED 3 LOADS AND FLUID
05 LEVEL DROPPED TO 2500 FT. MADE SWAB RUN EACH 3 MIN.
06 W/FLUID LEVEL @ 2500 FT. AND EACH RUN CONTAINED APPROX
07 50% TO 60% CO2 GAS WELL WOULD BLOW A SMALL AMOUNT OF
08 CO2 AFTER EACH SWAB RUN BUT WOULD DIE OUT IN 1 MIN OR
09 LESS RECOVERED APPROX 35.25 BBLs OF WTR RECOVERED 70.25
10 BBLs OF THE TOTAL 71 BBL LOAD BASED ON OF BHP BETWEEN
11 SWAB RUNS WELL WOULD MAKE AN EST 10 BBL PER HR AND CO2
12 ONLY IF ZONE IS SWABBED TO REMOVE WTR AND CO2 GAS MIXTURE

LABEL: 811231
DAILY COST: 2000
CUM COST: 205461
DATE: 12-30-81
ACTIVITY: 12-30-81 ACTIVITY: 100 PSI ON TBG BLED PRESSURE
02 OFF AND RU SWAB AND TAG FLUID LEVEL @ 900 FT.
03 AFTER 3 SWAB RUNS FLUID LEVEL DROPPED TO 2500 FT.
04 SWABBED W/FLUID LEVEL @ 2500 FT. AND RECOVERED
05 18 BBLs OF WTR TOTAL WTR RECOVERED IS 88.25 BBLs
06 TOTAL ACID LOAD IS 71 BBLs SHUT DOWN RIG FOR
07 MOTOR REPAIR

LABEL: 820105
DAILY COST: 3388
CUM COST: 208849
DATE: 12-31-81 AND 1-4-82
ACTIVITY: 12-31-81 ACTIVITY: REPAIR RIG MOTOR
02 1-4-82 ACTIVITY: 175 PSI ON WELL 960 PSI SPERRY SUN BHP
03 BLED WELL OFF FOUND FLUID LEVEL @ 800 FT. 900 PSI ON
04 SPERRY SUN BHP SWAB BACK 25 BBLs TOTAL TRACES OF GAS
05 IN WTR WELL WOULD NOT FLOW INFLOW APPROX 5.6 BBL PER
06 HR SI WELL FORMAN B.A. RODRIGUEZ

LABEL: 820106

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DAILY COST: 7081
CUM COST: 215930
DATE: 1-5-81
ACTIVITY: 1-5-81 ACTIVITY: 100 PSI ON WELL FLUID LEVEL @ 700 FT.
02 BLED GAS OFF SWABBED WELL DOWN IN 3 SWAB RUNS MAKING SWAB
03 RUNS EVERY 1/2 HR RECOVERING APPROX 3 BBL FLUID EVERY RUN
04 FOR A TOTAL OF 40 BBL SWAB TO DATE 150 BBL TOTAL FLUID
05 SWABBED SINCE ACID JOB

LABEL: 820107
DAILY COST: 7081
CUM COST: 215930
DATE: 1-6-82
ACTIVITY: 1-6-82 ACTIVITY: DID NOT WORK TODAY WAITING FOR OWP

LABEL: 820108
DAILY COST: 9212
CUM COST: 225142
DATE: 1-7-82
ACTIVITY: 1-7-82 ACTIVITY: RU OWP RUN 2 TRACER SURVEYS OVER WINGATE
02 PERFS 3226 TO 3246 1ST SURVEY @ .85 BPM 0 PSI 2ND @ 1.5

LABEL: -----
DAILY COST: 9212
CUM COST: 225142
DATE: 1-7-82
ACTIVITY: NOTE: I CAN NOT READ GREGS WRITING.
02 1-7-82 ACTIVITY: RIG UP O.W.P. RUN TWO TRACER
03 SURVEYS OVER WINGATE PERFS. 3226 TO 3246 FT. ON
04 FIRST SURVEY AT .85 BPM 0# PSI SECOND AT 1.5 BPM
05 0#PSI PERFS. 3234 TO 3238 TAKEN 10% OF FLUID
06 PERFS 3242 TO 3246 TAKING 90% OF FLUID AND SOME
07 FLUID CHANNELING TO 3270 FT. RAN STATIC TEMP.
08 SURVEY 101 DEGREES TAGGED R.B.P. AT 3302 FT. RIG
09 DOWN O.W.P. REMOVE TREE INSTALLED B.O.P.S
10 UNSEATED PKR AT 3099 FT. P.O.D.H. WITH 2 7/8
11 INCH I.P.C. TBG SPERRY SUN B.H.A. AND PKR.
12 SHUT IN WELL.

LABEL: 820112
DAILY COST: 5891
CUM COST: 242975
DATE: 1-8-9-11-82
ACTIVITY: 1-8-82 ACTIVITY: RIH W/BAKER CEMENT RETAINER ON 27/8 IN.
02 TBG WORK STRING SET RETAINER @ 3005 FT. PT TBG TO 2500 PSI
03 RU DOWELL TO SQUEEZE PERF 3226-3246 PT LINES PUMP 5 BBLs
04 FRESH WTR SPACER 125 SACKS GL MIX 2.5 BPM 0 PSI DISPLACED
05 W/10 BBL WTR. 1 BPM PRESSURE INCREASING A LITTLE PUMP 2 BBL
06 @ 1/2 BPM PRESSURE WENT TO 900 PSI WAITED FIVE MIN PUMPING

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07 PRESSURE UP TO 1500 PSI W/1.4 BBLs IN SMALL INCREMENTS PRES-
08 SURE HELD @ 1500 PSI FINAL SQUEEZE PRESSURE @ 1500 PSI UN-
09 STUNG FROM RETAINER REVERSED OUT W/30 BBLs FRESH H2O AND RE-
10 COVERED 4 BBLs OF CEMENT POOH W/27/8 IN TBG WORK STRING SI
11 WELL. 1-9-82 ACTIVITY: RIH W/43/4 IN MILL 8 31/8 IN DRILL
12 COLLARS AND 27/8 IN WORK STRING TAG TOP OF RETAINER PULLED
13 2 STDS MADE 1 SWAB RUN LOWER WTR LEVEL BELOW SURFACE WAIT-
14 ING ON CEMENT OVER WEEKEND. 1-11-82 ACTIVITY: START AND
15 WARM UP MOTOR TAG TOP OF CEMENT @ 3000 FT. RU POWER SWIVEL
16 DRILL OUT CEMENT RETAINER W/43/4 IN. MILL DRILLED ON RETAIN-
17 ER APPROX 5 HRS DRILL DOWN TO 3060 AND MILL QUIT CUTTING POOH
18 AND FOUND A CHUNK OF CEMENT RETAINER WEDGED IN WTR COURSE OF
19 MILL MILL WAS BALLED UP W/CEMENT PUT ON NEW 43/4 IN MILL
20 TRIP BACK IN HOLE W/10 STDS TO BOTTOM SDON

LABEL: 820113
DAILY COST: 6199
CUM COST: 249174
DATE: 1-12-82
ACTIVITY: 1-12-82 ACTIVITY: DRILL CEMENT FROM 3060 FT. TO
02 3246 FT. AND MILL FELL OUT OF CEMENT CIRCULATED
03 DOWN TO 3260 FT. CIRCULATED HOLE CLEAN DISPLACED
04 DRILLING WTR IN WELL-BORE W/KCL WTR PT SQUEEZE
05 FOR 15 MIN NO LEAKS PULL UP 10 STDS AND SHUT DOWN
06 TO A.M.

LABEL: 820114
DAILY COST: 6934
CUM COST: 256108
DATE: 1-13-82
ACTIVITY: 1-13-82 ACTIVITY: RUN 10 STDS BACK IN HOLE AND SWAB FLUID
02 LEVEL BACK TO 2700 FT. POOH AND LAY DOWN DRILL COLLARS RU
03 QWP AND TEST LUBRICATOR TO 1000 PSI CORRELATE W/SCHLUMBERGER
04 FDC-CNL-GR LOG AND REPERFORATE THE WINGATE ZONE W/4IN.
05 OD GUN 23 GRAM CHARGES AND 2 JSPF 120 DGRS PHASING DECENT-
06 TRALIZED 12 FORT COVERS WERE MISSING ON QWPS GUNS AFTER
07 PERFERATING HAD BLOW AFTER POSSIBLY WOULD BUILD PRESSURE
08 IF WELL WAS CLOSED IN FOR SHORT TIME RU AND RUN 4 JTS TBG
09 BELOW BAKER MODEL EA RETRIEVE-A-MATIC PKR W/SPERRY SUN EQUIP
10 ON TOP OF PKR AND SWAB STOP ON TOP OF MONITORING EQUIP SET
11 PKR @ 3099 TAIL @ 3222 SPERRY SUN EQUIP @ 3075 AND SWAB
12 STOP @ 3068 TEST TBG TO 3000 PSI AND CSG TO 1000 PSI BOTH
13 OK FLANGE UP TREE AND FLOWLINE SDON
14 (PERF FROM 3246-3240 AND FROM 3236-3226)

LABEL: 820115
DAILY COST: 10724
CUM COST: 266832
DATE: 1-14-82

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ACTIVITY:

1-14-82 ACTIVITY: SWAB ON WELL WHILE WAITING ON DOWELL
5 1/2 HRS SWABBED TO SWAB STOP EACH LOAD BUT WELL WOULD
NOT FLOW RU DOWELL ACIDIZE EQUIP TEST LINES TO 2000 PSI
02 PUMPED 16 BBLs ACID @ 2 BPM AND PRESSURE JUMPED TO 1000
03 PSI BACKED OFF OF RATE TO 1/2 BPM @ 750 PSI @ 19 BBLs
04 600 PSI W/1 BPM 39 BBLs 700 PSI @ 1 1/2 BPM 46 BBLs 700 PSI
05 W/1/2 BPM 62 BBLs 700 PSI W/1 1/2 BPM 75 BBLs 600 PSI W/2 1/4
06 BPM 82 BBLs 2 1/2 BPM 600 PSI 95 BBLs 600 PSI @ 2/34 BPM 125
07 BBLs 3 BPM @ 600 PSI 141 BBLs 3 1/2 BPM @ 600 PSI FLUSHED W/
08 21 BBLs @ 600 PSI 3 BPM PUMPED A TOTAL OF 5920 GAL HCL W/
09 12 GAL A200 INHIBITOR 1 LB RA SAND PER 1000 GAL 10 CBS
10 J120 AND 54 1.1 PACIFIC GVTY BALL SEALERS INJECT BALL SEALERS
11 EACH 1.5 BBLs TOTAL ACID LOAD INCLUDING FLUSH 162 BBLs ISIP
12 500 PSI 5 MIN 450 PSI 10 MIN 250 PSI 15 MIN 100 PSI RU DOWELL
13 AND ATTEMPT TO FLOW WELL BACK BUT FLOWED VERY LITTLE RU
14 SWAB EQUIP AND SWAB BACK 30 BBLs W/FLUID LEVEL STAYING @
15 2800 FT. SHUT WELL IN TILL AM
16
17

ALBANY OPERATIONS
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LABEL: 820121
 DAILY COST: 10693
 CUM COST: 277525
 DATE: 1-15-82
 ACTIVITY: 1-15-82 ACTIVITY: 950 PSI ON TBG FLOWED WELL TO SUMP UN-
 02 TIL WE COULD GET HEATER TREATER GOING
 03 TIME MCF PSI PPM H2S
 04 -----
 05 10:30 AM 220 60 200
 06 11:00 184 50
 07 12:00 187 30
 08 12:30 557 75 200
 09 1:30 PM 238 610 600
 10 -SEE REASON WHY WELL WAS SHUT IN LATER IN REPORT-
 11 6:00 PM 652 90 1000
 12 7:00 595 90
 13 8:00 635 95
 14 9:00 622 90 900
 15 10:00 667 100
 16 11:00 635 100
 17 12:00 641 100
 18 1:00 629 100
 19 2:00 AM 616 100 700
 20 3:00 448 100
 21 4:00 667 90
 22 5:00 648 90
 23 6:00 667 90 1000
 24 1:00 PM MTR LINES FROZE UP AND REMOVE FALRAC BALLS FROM
 25 CHOKE AND RECOVERED ALMOST ALL FRAC BALLS HIGH PORT COVERS
 26 OUT OF CHOKE AND SWITCHED OUT OF THE HEATER TREATER RECOV
 27 ERED AN EST 81 BBLS WTR AND WTR LOOKS LIKE IT HAS COAL
 28 DUST IN IT TITAL EST WTR RECOVERED 111 BBLS OF THE 162
 29 ACID LOAD

LABEL: 820122
 DAILY COST: 3065
 CUM COST: 280590
 DATE: 1-16-82
 ACTIVITY: 1-16-82 ACTIVITY: :L WELL FLOWED AN AVERAGE OF 73

LABEL: -----
 DAILY COST: 3190
 CUM COST: 322262
 DATE: 1-22 AND 1-23-82
 ACTIVITY: 1-22-82 DAILY COST 3710 CUM. COST 319072
 02 1-22-82 ACTIVITY: SITP WAS 975
 03 OPENED WELL

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04 TO FLARE STACK AND FLOWED WELL UNTIL PSI DECREASED
05 TO 200
06 . FIGGED UP LINES AND PUMPED DOWN BOTH
07 CSG. AND TBG. UNTIL HOLE COMPLETELY FULL OF 4%
08 KCL WATER. 65.5 BBLs. PLUS 50 BBLs. INTO PERFS.
09 MAX. PRESS. WHILE PUMPING WAS 625
10 AT 3 1/2 BLM.
11 SHUT DOWN PUMP AND WAITED APPROX. 25 MIN. UNTIL
12 PSI BLEED OFF AND WELL WAS DEAD. CUT TBG. ON SPERRY
13 SUN TOOL AND BANDED END TO TBG. STRING AND RAN BACK I
14 IN HOLE. SET PKR. AT 3100 FT. AND S.I.O.N.
15 1-22-82 STATUS: WELL KILL PUMP HEC JEL AND
16 CALCIUM CARBONITE PILL ACROSS PERFS. FOLLOWED BY
17 KCL AND BRINE H2O 9
18 TO KILL WELL SO WE CAN GET
19 SPERRY SUN TOOL OUT OF HOLE AND TRY TO RETRIEVE
20 RBP.
21 1-23-82 DAILY AND CUM_M COSTS ARE ONES IN HEADING.
22 1-23-82 ACTIVITY: SITP WAS 700
23 OPENED WELL
24 TO FLARE STACK AND BLEED PSI DOWN. R.U. DOWELL
25 AND PUMPED 200 GALS. HEC JEL WITH 2
26 PER GAL.
27 GRADED CALCIUM CARBONATE 60 THRU 160 MICRON
28 PARTICAL SIZE RANGE ACROSS PERFS. AT 2_3226-3246 FT.
29 FOLLOWED BY 18 BBLs 4% KCL H2O. S.I. 30 MIN. AND
30 THEN PUMPED 50 BBLs. 4% KCL H2O AT 4 BBLs PER MIN.

LABEL: 820126
DAILY COST: 12007
CUM COST: 334269
DATE: 1-26-82 AND 1-16-82)LATER IS A CATCH UP(
ACTIVITY: 1-26-82 ACTIVITY: SITP 200 PSI AND SICP 200 PSI OPEN WELL
02 TO PIT AND BLEED PRESSURE DOWN TO 0 ON CSG AND APPROX 50
03 PSI ON TBG WELL STARTED FLOWING THRU TBG PUMPED KCL WTR
04 DOWN CSG AND HELD CSG ON VACUUM CLOSE TBG IN AND LET GAS
05 WORK TO SURFACE AFTER APPROX 2 HRS WELL WAS ON VACUUM ON
06 CSG AND TBG WAIT ADDITIONAL 2 HRS ON OWP AND PUMP 11/2
07 BBL DOWN CSG EVERY 15 MIN TO KEEP WELL ON VACUUM POOH W/
08 TBG RU OWP AND SET BAKER CAST IRON BRIDGE PLUG 3900 FT
09 RIH W/BAKER RETRIEVE-A-MATIC PKR AND SET 3283 FT TEST
10 BP TO 1000 PSI (NO LEAK) POOH W/PKR RU OWP AND DUMP 2SX
11 OF CEMENT ON TOP OF BP RIH W/25 STDS OF TBG AND SDON
12 1-16-82 ACTIVITY: WELL FLOWED AN AVERAGE OF 734 MCF GAS
13 W/AN AVG OF 140 PSI AND 7 TO 10 THOUSAND PPM H2S RUN THRU
14 TREATER FOR 2 HRS AND WELL AVG 3.1 BBLs H2O PER HR TOTAL
15 H2O 153 BBLs RECOVERED 162 BBLs ACID LOAD WTR STILL LOOKS
16 LIKE COAL DUST IN IT CLOSED WELL IN FOR 30 MIN AND TOOK A
17 GAS SAMPLE THEN SHUT IN WELL

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LABEL: 820127
DAILY COST: 12338
CUM COST: 12338
DATE: 12338

LABEL: 820128
DAILY COST: 12981
CUM COST: 359588
DATE: 1-27-82

ACTIVITY: 1-27-82 ACTIVITY: SHUT IN TBG PRESSURE 250 PSI OPEN WELL TO
02 PIT AND BLED PRESSURE DOWN RU SWAB AND TAG FLUID LEVEL
03 1200 FT SWABBED APPROX 35 BBLS W/FLUID LEVEL STAYING 2600
04 FT AROUND 2:30 PM FLUID LEVEL DROPPED TO 2900 FT W/VERY
05 LITTLE GAS EACH SWAB RUN MADE SWAB RUN EA 15 MIN W/FLUID
06 LEVEL 2900 FT RECOVERED ADDITIONAL 4.5 BBLS TOTAL WTR
07 RECOVERED TO DAY WAS 39.5 BBLS TOTAL ACID LOAD RECOVERED
08 IS 65.5 BBLS OF THE 121 BBLS ACID LOAD SPERRY SUN PRESSURE
09 MONITOR HAS THE TBG PARTED APPROX 1500 FT DOWN
10 MAKE UP REPORT-----
11 1-18-82 ACTIVITY: WELL HEAD SI PSI 1000 BYPASS ORFICE
12 MTR AND OPEN WELL TO PIT UNTIL PRESSURE DECREASED ENOUGH
13 TO GO THROUGH THE ORFICE PLATE TESTED THRU THE 2 IN ORFICE
14 PLATE FOR 2 HRS MAX RATE 1.240 MCF PER DAY MIN RATE
15 1.069 MCF PER DAY AVG RATE 1.155 MCF PER DAY FTP WAS 180
16 PSI DOWN STREAM VALVE ON THE MTR RUN WAS PINCHED TO KEEP
17 DIFFERENTIAL ON THE CHART W/2 IN ORFICE 11:00 SHUT IN WELL
18 AND REMOVE 2 IN ORFICE INSTALL 2.250 ORFICE SO WE COULD
19 OPEN PINCHED VALVE AND FLOW MAX RATE FLOWED THROUGH 2.25
20 IN ORFICE 11:00 AM TO 5:00 PM AVG FTP WAS 100 PSI AVG FLOW
21 RATE 1.214 MCF PER DAY MAX RATE WAS 1.397 MCF PER DAY MIN
22 RATE 1.166 MCF PER DAY H2S 1000 PPM ALL DAY LONG SDON
23 1-19-82 STATUS: TEST WELL POSSIBLY LINE UP SURVEY TO TELL
24 WHERE GAS IS COMING FROM

LABEL: 820129
DAILY COST: 3277
CUM COST: 362865
DATE: 1-29-20-82

ACTIVITY: 1-29-82 ACTIVITY: 120 PSI ON TBG OPEN WELL TO PIT AND
02 BLED WELL DOWN RU SWAB TAG FL 1100 FT MADE 43 SWAB
03 RUNS W/FL 2900 FT AND RECOVERED 40.5 BBLS OF WTR BUT
04 VERY LITTLE GAS H2S TEST ON GAS 8:00 AM WAS 600 PPM
05 AND 6:30 PM 40 PPM CO2 IS EXCESS OF 20% TOOK 4 WTR
06 SAMPLES YESTERDAY AND TODAY W/1 GAS SAMPLE THIS MORNING
07 TOTAL WTR RECOVERED FROM THE WINGATE ZONE IS 106 BBLS
08 OF THE 121 BBLS ACID LOAD
09 ---MAKE UP REPORT-----
10 1-20-82 ACTIVITY: WH SI TBG PRESS 1000 PSI OPENED WELL TO

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11 PIT AND CONTINUED TESTING WELL WHILE WAITING FOR SCHLUMBER-
 12 GER TO ARRIVE TO RUN SPINNER SURVEY FLOWED WELL FROM 7:00
 13 AM TO 8:30 PM MAX FTP 200 PSI MIN FTP 100 PSI AVG FTP 110
 14 PSI MAX FLOWRATE 1.551 MCF PER DAY MIN FLOW RATE 1.154 MCF
 15 AVG FLOW RATE 1.250 MCF PER DAY H2S CONTENT AVG 900 PPM
 16 RU SCHLUMBERGER 3:00 PM TO RUN SURVEY RAN IN HOLE W/COLLAR
 17 LOCATOR AND DUMMY TOOL TO LOCATE PBTD TAGGED PBTD 3278 FT
 18 17 IN ABOVE WHERE TOP OF SAND SHOULD BE ON RBP POOH LAID
 19 DOWN DUMMY TOOL AND PICK UP GRADIAL TOOL TEMPTOOL AND FLOW
 20 SPINNER TOOL AND RUN IN HOLE TO DETERMINE IF GAS FLOW WAS
 21 COMING FROM BELOW RBP ALL LOGS INDICATE THAT ALL OR MAJORITY
 22 OF GAS FLOW IS COMING FROM BELOW RBP BP IS LEAKING WELL FLOW-
 23 ING CONTINEAUSLY WHILE LOGGING WELL POOH W/ SURVEY TOOLS
 24 AND LAID DOWN SAME RD SCHLUMBERGER AND SDON

LABEL: 820201
 DAILY COST: 2727
 CUM COST: 365592
 DATE: 1-29-82
 ACTIVITY: 1-29-82 ACTIVITY: SITP 100 PSI AND OPEN TO PIT AND BLED OFF
 02 PRESSURE RU SWAB AND TAG FL 1700 FT. SWAB 30 BBLS OF WTR
 03 TOTAL RECOVERED IS 136 BBLS ACID LOAD WAS 121 BBLS FLUID
 04 RISE IN 3 HRS AND 55 MIN WAS 1050 FT RU OWP AND RUN RA LOG
 05 TRACER SURVEY W/TEMP PUMPED 120 BBLS OF KCL WTR SURVEY IN-
 06 DICATED 20% OF FLUID WAS GOING INTO THE UPPER PERFORATION
 07 FROM 3226-3236 FT. AND 80% WAS GOING TO THE LOWER PERFORA-
 08 TION FROM 3240 - 3246 FT. RA IS MIGRATING DOWN TO 3250 FT.
 09 BUT NO MIGRATION BELOW 3250 FT. RD OWP AND UNFLANGE TREE
 10 UNSEAT PKR AND INSTALL BOPS CLOSE WELL UNTIL AM

LABEL: 820205
 DAILY COST: 2575
 CUM COST: 413041
 DATE: 2-4-82
 ACTIVITY: 2-4-82 ACTIVITY: SITP 70 PSI RU SWAB AND TAG FL 1050 FT.
 02 SWABBED 7 HRS AND 20 MIN RECOVERED 105 BBLS OF WTR FROM THE
 03 WINGATE ZONE PERFORATED FROM 3290 TO 3338 777ADE 36 SWAB
 04 RUNS TOTAL OF 320 BBLS RECOVERED FROM THIS ZONE ACIDIZING
 05 LOAD WAS 16.3 157 BBLS OVER LOAD SPERRY SUN PRESSURE MONITOR
 06 LINES ARE FROZE UP SPOTTED DUEL PRESSURE ELEMENTS BETWEEN
 07 TOP AND BOTTOM PERFS 2500 PSI ELEMENT W/A 24 HR CLOCK AND
 08 3500 PSI W/72 HR CLOCK (A GENERAL SUMMARY OF SWAB DATA IS
 09 NOW INCLUDED DUE TO THE LACK OF SPACE ON THE REPORT THIS
 10 WILL BE ONLY A SUMMARY)

11	TIME	DEPTH OF FL	SWAB FROM
12			
13	9:40 AM	1050 FT.	2800 FT.
14	10:45 AM	2500 FT.	3231 FT.
15	11:43 AM	2400 FT.	3231 FT.

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16	12:42 PM	2650 FT.	3231 FT.
17	1:45 PM	2900 FT.	3231 FT.
18	2:45 PM	2700 FT.	3231 FT.
19	3:45 PM	2900 FT.	3231 FT.
20	4:45 PM	2800 FT.	3231 FT.
21	5:10 PM	2400 FT.	3231 FT.

LABEL: 820208
 DAILY COST: 1650
 CUM COST: 416341
 DATE: 2-6-82
 ACTIVITY: 2-6-82 ACTIVITY: RUN 72 HR PRESSURE BUILD UP SDON

LABEL: 820209
 DAILY COST: 2300
 CUM COST: 418641
 DATE: 2-8-82 AND MAKE UP 1-30-82
 ACTIVITY: 2-8-82 ACTIVITY: O PRESS ON WH RU SWAB EQUIPMENT AND SWABBED FROM 8:30 AM UNTIL 4:30 PM SWABBED A TOTAL OF 108 BBLs OF FLUID AND CAUGHT SAMPLES EVERY 2 HRS (TOTAL OF 5 SAMPLES) RD SWAB EQUIPMENT AND SION SPERRY SUN WORKED ON BHP EQUIPMENT ALL DAY TBG LINE FROM WH TO MONITOR IN TRAILER FROAE OFF THAW LINES TO CLEAN THEM OUT
 02 2-9-82 STATUS: WILL CONTINUE TO SWAB AND SAMPLE UNTIL NOTIFIED ON NEXT STEP FROM ENGINEERING
 03 1-30-82 ACTIVITY: POOH W/PKR RU OWP RUN CBL/CCL/GR FROM 3886 FT TO 2500 FT NO DIFFERENCE IN BONDING BELOW 3250
 04 ON CBL RUN TODAY THEN THE ONE RAN EARLY DATE BUT WE WERE
 05 UNABLE TO HOLD PRESSURE ON CSG DUE TO PERFERATIONS FROM
 06 3226/3246 FT RIH W/SWAB STOP 3307 SWAB FL TO 3100
 07 SWAB BACK 65 BBLs OF THE 160 BBLs PUMPED IN THE WINGATE
 08 ZONE
 09
 10
 11
 12
 13
 14
 15

LABEL: -----
 DAILY COST: 5853
 CUM COST: 424494
 DATE: 2-9-82
 ACTIVITY: 2-9-82 STATUS: RUN TRACER SURVEY AND TEMP. LOG.
 02 2-9-82 ACTIVITY: 100 LBS. SHUT IN TBG. PSI.
 03 THAWED WELLHEAD AND RIGGED UP SWAB EQUIP. SWABBED
 04 FROM 7:30 A.M. UNTIL 3:30 P.M. RETURNED 103 BBLs.
 05 FLUID. SAMPLED FLUID EVERY 2 HRS. SAMPLES WILL
 06 BE SENT TO HOUSTON FOR ANALYSIS. RIGGED DOWN SWAB
 07 EQUIP. S.D.O.N.

LABEL: -----
 DAILY COST: 5984
 CUM COST: 430478
 DATE: 2-10-82

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ACTIVITY: 2-10-82 ACTIVITY: 100 LBS. SHUT IN PSI. RIG UP
02 SWAB. EQUIP. AND RIH AND TAG FLUID LEVEL AT 1200
03 FT. P.O.O.H. AND RIG DOWN SWAB EQUIP. RIG UP
04 OWP TO RUN TRACER AND TEMP. SURVEY. BOTH TRACER
05 AND TEMP. SURVEYS INDICATE A SMALL AMOUNT OF
06 CHANNELING UP HOLE FROM 3290 FT. TO 3270 FT.
07 PERFS. FROM 3290 FT. TO 3300 FT. TAKING 25% -
08 PERFS. FROM 3300 FT. TO 3305 FT. TAKING 30% -
09 PERFS. FROM 3310 FT. TO 3315 FT. TAKING 20% PERFS
10 FROM 3315 FT. TO 3320 FT. TAKING 10%-3320 FT. TO
11 3325 FT. TAKING 5%-PERFS. FROM 3325 FT.
12 TO 3330 FT. TAKING 10% OF FLUID. PUMPED A TOTAL OF
13 56 BBLs. OF KCL WTR. DURING SURVEY AT .7B/M AT
14 100 PSI. RIG DOWN OWP. REMOVED WELLHEAD AND
15 INSTALLED BOPS AND P.O.O.H. W/TBG. AND SPERRY SUN
16 TOOL. LAID DOWN SPERRY SUN TOOL.

LABEL: 820212
DAILY COST: 12428
CUM COST: 442906
DATE: 2-10-82

ACTIVITY: 2-10-82 ACTIVITY: POOH W/30 STDS 27/8 TBG RIH W/CR ON
02 27/8 IN TBG AND SET CR 3060 TP TBG TO 2500 AND CSG TO
03 1000 RU DOWELL TO SQUEEZE PERFS 3226 TO 3338 W/150 SX OF
04 G CEMENT AS FOLLOWS 5 BBLs FRESH WTR SPACER 150 SX G
05 CEMENT 2 BPM 0 PSI 1000 PSI ON BACKSIDE THRU-OUT JOB
06 DISPLACED W/10 BBLs FRESH WTR .75 BPM 0 PSI SD FOR 5 MIN
07 PUMPED ADDITIONAL 4 BBLs IN 1/2 BBL INCREMENTS HESITATING
08 5 MIN IN BETWEEN UNTIL PRESSURE REACHED 1500 PSI FINAL
09 SQUEEZE PRESSURE WAS REACHED UNSTUNG FROM CR AND REVERSED
10 OUT OF HOLE W/30 BBLs RECOVERED APPROX 31/2 BBLs CEMENT RD
11 DOWELL POOH W/27/8 IN TBG WOC OVER NIGHT

LABEL: 820216
DAILY COST: 2668
CUM COST: 452898
DATE: 2-12-13-15-82

ACTIVITY: 2-12-82 ACTIVITY: RIH W/43/4 IN MILL 10 31/8 DCS 27/8 TBG
02 TAGGED CEMENT 3050 RU POWER SWIVEL DRILL ON CEMENT AND
03 CR MILL PLUGGED UP AFTER DRILLING 4 HRS POOH W/TBG WET
04 STRING CLEANED OUT MILL RIH W/MILL DCS AND TBG DO 30 FT
05 OF CEMENT POOH W/5 STDS OF TBG SDON
06 2-13-82 ACTIVITY: RIH W/5 STDS AND STARTED DO CEMENT
07 3090 FT. DO TO 3285 SWIVEL NOT TORQUING UP W/ WT ON IT POOH
08 W/ TBG DCS AND MILL SI WELL
09 2-15-82 ACTIVITY: RIH W/43/4 IN MILL 10 31/8 DCS 27/8 TBG
10 WORK STRING STARTED DO CEMENT 3285 FT DO PAST 3338 AND
11 ATTEMPTED TO PT CSG TO 1000 PSI BLED OFF IN 21/2 MIN TO
12 3 MIN TO 0 PSI ESTABLISH INJ RATE PRESS WENT TO 1500 PSI

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13 BROKE BACK TO 1200 PSI 1.19 BBL PM 38 SPM 1500 PSI
14 69 SPM INJ RATE OF 2 BPM LOWERED TBG TO 3427 FT POOH
15 WILL SQUEEZE IN AM

LABEL: -----
DAILY COST: 7596
CUM COST: 460494
DATE: 2-16-82
ACTIVITY: RIH WITH CEMENT RETAINER ON 2 7/8 INCH TBG. WORK
02 STRING AND SET AT 3114 FT. PSI TEST TBG. TO 2000
03 LBS. RIG UP DOWELL TO RESQUEEZE PERFS. 3226-3246
04 AND 3290 TO 3338 FT. WITH 100 SACKS G CEMENT AS
05 FOLLOWS: W/ 1000 LBS. ON BACKSIDE ESTABLISHED
06 INJECTION RATE WITH 6 BBLs. FRESH WTR. 1.25 B.P.M.
07 AT 1500 LBS. PUMPED 100 SACKS G CEMENT 3/4 B.P.M.
08 AT 1200 PSI DISPLACED W/10 BBLs. FRESH WTR. 1/2
09 B.P.M. AT 750 PSI. SHUT DOWN FOR 3 MIN. PUMPED
10 2 1/2 B.BLS. SQUEEZE PSI WENT TO 1500 LBS.
11 PUMPED PSI UP TO 1750 FINAL SQUEEZE PSI HELD.
12 UNSTRUNG FROM CEMENT RETAINER AND REVERSED OUT W/
13 30 BBLs. RECOVERED APPROX. 6 BBLs. CEMENT. RIG
14 DOWN DOWELL. P.O.O.H. W/ TBG. WORKSTRING.
15 LEFT WELL SHUT IN. W.O.C.

LABEL: -----
DAILY COST: 5820
CUM COST: 466314
DATE: 2-17-82
ACTIVITY: RIH WITH 4 3/4 INCH MILL AND 10 3 1/8 INCH DRILL
02 COLLARS AND 2 7/8 INCH TBG. WORKSTRING TO DRILL ON
03 CEMENT RETAINER AT 3114 FT. DRILL ON CEMENT RETAINER
04 TBG. PLUGGED. P.O.O.H. WITH 2 7/8 INCH TBG.
05 FOUND TWO DRILL COLLARS PLUGGED. RIH WITH 4 3/4
06 INCH MILL AND 8 3 1/8 INCH DRILL COLLARS AND TBG.
07 DRILLED FOR 2 HRS. BY PUMPING DOWN BACKSIDE TBG.
08 KEEPS PLUGGING. STARTED PUMPING DOWN
09 TBG. GETTING GOOD RETURN. DRILLED DOWN TO 3148 FT.
10 CEMENT NOT YET FIRM ENOUGH. S.D.O.N.

LABEL: 820219
DAILY COST: 2000
CUM COST: 468314
DATE: 2-18-82
ACTIVITY: 2-18-82 ACTIVITY: DO CEMENT TO 3180 FT. CEMENT STILL NOT
02 FIRM ENOUGH NOTIFIED HOUSTON OFFICE WILL WAIT ON CEMENT
03 TIL 2-19-82 AND THEN FINISH DO

LABEL: 820222
DAILY COST: 15267

ALTAHONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 367
ISSUED 04/12/82

CUM COST: 476101
DATE: 2-19-20-82
ACTIVITY: 2-19-82 ACTIVITY: DO CEMENT FROM 3180 FELL THRU CEMENT
02 3226 LOWARD TBG TO 3377 FT CSG TO 1000 PSI PRESS WOULD
03 FALL OFF TO 500 PSI IN 5 MIN AND SEEMED TO HOLD THERE HOU-
04 STON NOTIFIED LOWARD TBG TO 3563 POOH W/TBG LAID DOWN DCS AND
05 MILL SDON WILL SET CIBP 3180 IN AM
06 2-20-82 ACTIVITY: RU OWP SET BAKER CIBP 3180 ON WIRELINE
07 W/DUMP BAILER ON WIRE LINE SPOTTED 2 SX CEMENT PLUG ON TOP
08 OF CIBP PRESSURE WOULD BLEED OFF TO 900 PSI RU OWP SPOTTED
09 2 MORE SX CEMENT ON TOP OF CIBP LEFT RD OWP WELL SI UNTIL
10 2-22-82 WILL PRESSURE TEST CSG AGAIN

LABEL: 820223
DAILY COST: 5422
CUM COST: 481523
DATE: 2-22-82
ACTIVITY: 2-22-82 ACTIVITY: TEST CSG W/RIG PUMP LEAK FROM 1500 PSI
02 TO 900 PSI IN ONE MIN RIH W/PKR TAG CEMENT ON TOP OF BP
03 3139 PULL UP 31 FT. SET PKR AND TEST DOWN TBG NO LEAK
04 WORK UP HOLE W/PKR AND LOCATE CSG LEAK 2622 PUMPED
05 PUMPED INTO LEAK 43 BBLs PM 1500 PSI SHUT IN FOR 15 MIN
06 AND PRESSURE WOULD NOT DROP BELOW 850 PSI RUN BACK TO BOTTOM
07 AND DISPLACE HOLE W/KCL WTR SWAB FL TO 2500 FT. POOH RU OWP
08 AND TEST LUBRICATOR TO 2000 PSI RIH AND TAG FL 2220 FT.
09 PERFORATE THE LOWER NAVAJO FROM 3068 FT. TO 3058 USING A 4
10 IN CSG GUN W/23 GRAM CHARGES 2JSPP 0 PHASING DECENTRALIZED
11 SELECT FIRE NO FLUID RISE OR NO ATTEMPT TO FLOW AFTER PER-
12 FORATING RIH W/PKR TO 2935 FT. CLOSE WELL IN TILL AM

LABEL: -----
DAILY COST: 10211
CUM COST: 491734
DATE: 2-23-82
ACTIVITY: 0 PSI ON WELL. DROPPED STANDING VALVE AND PSI TEST
02 TBG. TO 2000 PSI SET PKR. AT 2944 FT. FLANGE UP
03 WELLHEAD. SWAB F.L. TO SEATING NIPPLE AT 2938 FT.
04 R.U. DOWELL ACIDIZING EQUIP. AND TEST LINES TO
05 2000 PSI. PUMPED 14 BBLs OF ACID AND PSI UP TO
06 ABOUT 1150 PSI. LET PSI DROP BACK TO 500 AND
07 BUILD BACK UP TO 700 PSI FOR 2 1/2 HRS. WE WERE
08 UNABLE TO MEASURE THE ACID THAT WAS PUMPED IN THE
09 2 1/2 HRS. BECAUSE OF SUCH SMALL AMOUNT. INCREASED
10 PSI IN 100 PSI INTERVALS TO 2175 FT. AND FORMATION
11 BROKE DOWN. BACK TO 900 PSI. PUMPED AT 1 B.P.M.
12 WITH PSI AT 1000 PSI. INCREASED RATE TO 1 1/4 B.P.M.
13 AND PSI INCREASED TO 1100 PSI. DROPPED BACK TO
14 1 B.P.M. WITH PSI AT 1000 PSI FOR THE REST OF THE
15 ACID AND FLUSH. PUMPED 1500 GALS. OF 15% HCL.

ALTA MONT OPERATIONS
DAILY COMPLETIONS AND BENEFICIALS REPORT
WELL HISTORY FOR WELL 367
ISSUED 04/12/82

16 DROPPED 33 BALL SEALERS WITH NO ACTION. ACID
17 CONTAINED 3 GALS. OF F 78 SURFACTANT 6 GALS. OF
18 A 200 INHIBITOR AND 5 LBS. OF FRICTION REDUCING
19 AGENT. ISIP 700 (5) 300 (10) 300 (15 MIN.) 275
20 PSI. R.D. DOWELL AND OPEN WELL TO TANK. 0 FLOW
21 BACK. R.U. AND SWABBED BACK 46 1/2/BBLs OF THE
22 64 BBL ACID LOAD. F.L. AT 2500 FT. THE LAST 3 HRS.

LABEL: -----
DAILY COST: 2531
CUM COST: 494265
DATE: 2-24-82
ACTIVITY: 2-24-82 ACTIVITY: 40 PSI ON TBG. BLED TO PIT
02 AND RIG UP SWAB AND SWAB 65 BBLs OF WTR. IN 56
03 RUNS. TAG F.L. AT 1000 FT. FIRST RUN. LAST 6 HRS.
04 SWABBED AN AVG. OF 5.8 BBLs PER HOUR WITH F.L. AT
05 2650 FT. TOTAL WTR. RECOVERED FROM THE LOWER
06 NAVAJO ZONE IS 111 1/2 BBLs. ACID LOAD WAS 64 BBLs.
07 47 1/2 BBLs OVER LOAD. NO FREE GAS WITH SWAB RUNS
08 AT ALL.

LABEL: 820301
DAILY COST: 7385
CUM COST: 580052
DATE: 2-25-26-82

ACTIVITY: 2-25-82 ACTIVITY: BLED TO PIT AND GAS HAD 600 PPM H2S SWAB-
02 BED 23 BBLs OF WTR FROM THE LOWER NAVAJO ZONE TOTAL WTR
03 FROM THE WELL 134.5 BBLs REMOVE WELL HEAD EQUIP AND UNSEAT
04 PKR INSTALL ROPE AND POOH W/PKR RU OWP AND CIBP BRIDGE
05 PLUG WAS TIGHT FROM SURFACE TO 150 FT. RIH W/CIBP AND SET
06 3040 FT. PUT 25 SX OF CMT ON TOP OF BP POOH AND SI WELL
07 UNTIL AM
08 2-26-82 ACTIVITY: RIH W/PKR AND SET 2900 FT. TEST BP TO
09 1000 PSI (NO LEAK) SWAB FL TO 2400 FT. RU OWP AND PERFORATE
10 FROM 2954/2976 W/1 JSPF 23 GRAM CHARGES 120 DGRS PHSNG 23
11 HOLES WELL HAD 300 PSI BY THE TIME WE PULLED UP INTO LUB-
12 RICATOR W/PERF GUN FLOWED WELL TO SUMP FOR 5 MIN AND SHUT
13 IN TO SWITCH TO FLAIR LINE HAD 400 PSI ON CSG FLOWED WELL
14 UNTILL ALL DIRTY WTR STOPPED COMMING OUT AND WELL WAS BLOWING
15 ON FLOW TEST WELL WAS MAKING 2.8 MMCF 360 PSI 2.6 MMCF
16 245 PSI AND 2.0 MMCF 200 PSI WTR BEFORE WELL STARTED
17 BLOWING DRY GAS HAD A PH OF 7.0 SELINITY OF 21000 PPM AND
18 300-600 PPM H2S STARTED KILLING WELL AND RUN 33 STD OF TBG
19 IN HOLE AND WELL STARTED TO FLOW UP THE TBG SI WELL TILL
20 AM

ALBAMONT OPERATIONS
DAILY COMPLETIONS AND REBERTALS REPORT
WELL HISTORY FOR WELL 367
ISSUED 04/12/82

DAILY COST: 11306
CUM COST: 539220
DATE: 2-27-82
ACTIVITY: 2-26-82 ACTIVITY: OPEN UP TBG 0 PSI FINISH RIH W/ PKR AND SET
02 2887 FT. REMOVE BOPE INSTALL WELL HEAD RU AND SWAB
03 TBG TO SEATING NIPPLE 2880 WELL STARTED FLOWING BUT VERY
04 POORLET WELL FLOW FOR 1 HR BUT IT DID NOT INCREASE IN RATE
05 RU DOWELL ACIDIZING EQUIP AND PUMPED 1500 GALS OF HCL W/
06 5 LBS OF J120 3 GALS OF F78 6 GALS OF A200 23 1.1 S.G. BALL
07 SEALERS DROPPED EACH 1.5 BRLS NO BALL ACTION AVG TREATING PSI
08 WAS 700 AND AVG RATE WAS 1.5 BPM ISIP 400 PSI 3 MIN 0 PSI RU
09 SWAB AND SWABBED 27.5 BRLS BACK AND WELL STARTED FLOWING
10 SLOWLY 4 PM 11 PM FLOWING 1600 MMCF SI FOR 1 HR 11 PM
11 TBG 20 PSI 12 MIN 720 PSI 6 AM WELL WAS SITLL BLOWING
12 APPROX 1 BBL OF ACID TO PIT W/OPH AND MAKING 1600 MMCF PER
13 DAY W/150 PSI ON TBG EST WTR RECOVERED 42 BBL OF THE 55 BBL
14 ACID LOAD

LABEL: 820302
DAILY COST: 2570
CUM COST: 527914
DATE: 2-28-82 AND 3-1-82
ACTIVITY: 2-28-82 ACTIVITY: WELL IS STILL FLOWING BETWEEN 1700 AND
02 2000 MCF PER DAY 160 PSI 600 TO 1000 PPM H2S AND
03 EXCESS OF 20% CO2 STILL FLOWING SMALL AMOUNT OF UNSPENT
04 ACID TO PIT W/O PH APPROX 5 TO 10 GAL PER HR
05 3-1-82 ACTIVITY: MAX FLOW RATE 1907140 225 PSI DEAD WT.
06 13/4 ORFICE 1.52 S.G. 62 DEGREES F 1050 PPM H2S MIN FLOW
07 RATE 73365 640 PSI W.WT. 1/2 IN ORFICE 1.52 S.G. 55 DE-
08 GREES F 1100 PPM H2S SHUT IN FOR 2 HRS PRESSURE BUILD
09 FROM 640 PSI D.WT. TO 700 PSI D.WT. FLOW OF 75 MIN + 250
10 MAX AVG 540000 CF 1 IN ORFICE
11 667 LBS D.WT. 1.52 S.G. 66 DEGREES F 1050 PPM H2S SHUT
12 IN FOR 2 HRS PRESSURE BUILD FROM 667 PSI D.WT. TO 715 PSI
13 D.WT. FLOW 0-15 MIN AND 150 MAX AVG 988577 CF 622 PSI
14 D.WT. 11/4 ORFICE 1.52 S.G. 62 DEGREES F 1050 PPM H2S
15 6 HR SHUT IN 1 AM 440 PSI 2 AM 709 PSI 3 AM 715 PSI 4 AM
16 719 PSI 5 AM 721 PSI 6AM 723 PSI ON 3-2-82 ALL PRESSURES
17 ARE D.WT. RECOVERED 3 BBL OF ACID DURING TEST

ALBAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 367
ISSUED 04/12/82

LABEL: 820305
DAILY COST: 1650
CUM COST: 548122
DATE: 3-3-4-82
ACTIVITY: 3-3-82 ACTIVITY: FLOW WELL TO PIT UNTILL 1:30 PM RU
02 PRESSURE ELEMENTS ON P WIRE W/SHEAR PIN RELEASE TOOLS ON
03 SEATING NIPPLE 2883 FT. 2500 PSI ELEMENT W/24 HR CLOCK
04 SET 2886 FT. 3000 PSI ELEMENT W/72 HR CLOCK SET 2889 FT.
05 3-4-5-6-82 STATUS: RIG ON STAND BY 10 HRS W/DAILYCOST OF
06 1650 W/ DAILY CUM-COST STARTING W/3-4-82 BEING 544822
07 3-5-82 546472 3-6-82 548122
08 PPM H2S SI PRESS 718 DWT IN 2 HRS FROM 683 DWT FLOW WELL
09 0.5 MIN +.50 MAX RATE 1101430 CF 635 DWT 18/64 CHOKE
10 1.5 DRFICE 1.52 SG 45 DGRS F 1050 PPM H2S SI PRESS 719 DWT
11 1 HR AND 45 MIN FROM 635 DWT MAX RATE 2151322 CF 392 DWT 48
13 FOR 1 HR AND 15 MIN AND PRESS BUILD FROM 392 TO 708 DWT RE-
14 COVERED APPROX 3 BBLs OF ACID DURING TEST (18 HRS)
15 3-3-82 ACTIVITY: FLOW WELL TO PIT UNTILL 1:30 PM RU PRESS
16 ELEMENTS ON P WIRE W/ SHEARPIN RELEASE TOOLS ON SEATING NIP-
17 PLE 2883 FT. 2500 PSI ELEMENT W/24 HR CLOCK SET 2886
18 FT. 3000 PSI ELEMENT W/72 HR CLOCK SET 2889 FT

LABEL: 820308
DAILY COST: 1650
CUM COST: 548122
DATE: 3-4-5-6-82
ACTIVITY: ACTIVITY: RIG ON STANDBY FOR THE FOLLOWING DAYS
02 3-4-5-6-82 W/ A DAILY COST OF 1650 PER DAY RUN 72
03 HR PSI BUILD UP

LABEL: 820309
DAILY COST: 2300
CUM COST: 547122
DATE: 3-8-82
ACTIVITY: 3-8-82 ACTIVITY: SI TBG PSI 725 OPENED WELL TO PIT TO
02 BLEED PRESS DOWN WHILE WAITING ON A DECISION FROM HOUSTON
03 3:30 PM FTP WAS 300 PSI PUMP 30 BBLs OF 4% KCL WTR DOWN
04 TBG WELL WENT ON A VACUUM OPENED THE UNLOADER ON THE PKR
05 AND EQUALIZED THE HOLE REMOVE 5000 PSI TREE INSTALL BOPES
06 RELEASE PKR POOH RU DRESSER-ATLAS AND RAN CIBP IN ON WIRE-
07 LINE SET 2910 FT. POOH W/WIRELINE MIXED 2 SX OF CEMENT AND
08 RIH W/DUMP BAILER DUMP CEMENT ON CIBP POOH RD DRESSER-ATLAS
09 RIH W/PKR AND 20 STDS OF TBG SI WELL OVER NIGHT
10 3-9-82 STATUS: PT CIBP AND PERFORATE 2800/2784

LABEL: -----
DAILY COST: 8312
CUM COST: 555434

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 367
ISSUED 04/12/82

DATE: 3-9-82
ACTIVITY: 3-9-82 ACTIVITY: RIH W/23 ST. TBG. AND SET PKR.
02 AT 2655 FT. FILL HOLE W/ KCL AND PSI TEST CIBP
03 TO 2000 LBS. HELD OK. RELEASE PKR. AND POOH.
04 R.U. DRESSER ATLAS AND RIH. PERF. UPPER NAVAJO
05 2800 FT. THRU 2784 FT. USING 4 INCH OD CSG. GUN.
06 AND 23 GRAM CHARGES AT 2 SHOTS PER FOOT. POOH AND
07 R.D. DRESSER ATLAS. 420 PSI ON W.H. WHEN CSG.
08 GUN GOT INTO LUBRICATOR. OPEN WELL TO STACK AND
09 UNLOADED WTR. PRESSURE GRADUALLY INCREASED TO 690
10 AS WTR. WAS UNLOADED. FLOWED THROUGH STACK FROM
11 10:15 AM TO 1 PM H2S AT 10:20 AM WAS 700 PPM W/
12 SOME H2O. H2S AT 11 AM WAS 1000 PPM. SHUT IN AND
13 PUMPED 70 BBLs. KCL DOWN CSG. SHUT DOWN PUMP TO LET
14 STAND FOR 25 MIN. WELL WAS DEAD. RIH W/PKR. AND
15 43 ST. AND 1 SINGLE AND LANDED ON DONUT. WELL
16 STARTED TO FLOW BACK BEFORE PKR. COULD BE SET.
17 CIRCULATED HOLE FOR 40 MIN. AND WELL DIED. PULL
18 UP OFF DONUT AND SET PKR. W/20000 LBS. TENSION.
19 LANDED TBG. ON DONUT. REMOVE BOP AND INSTALL TREE
20 R.U. SWAB EQUIP. AND MADE 2 RUNS. AND WELL STARTED
21 FLOWING. FLOWED WELL TO CLEAN UP FROM 4:30 PM TO
22 5:45 PM WELL HYDRATED OFF IN WH CHOKE. REMOVE
23 CHOKE AND REPIPE FLOWLINE AT WH. R.U.
24 SCHLUMBERGER. STARTED TEST AT 7:20 PM W/CHOKE ON 64.
25 AFTER 30 MIN. WELL FLOWED AT 2.9 MCF RATE 515 F.TBG.
26 PSI. 310 LBS. AT METER RUN. 2 INCH ORFICE IN 4
27 INCH METER RUN. AVG. FLOW RATE ON 3-9 AT 7:30 PM
28 TO 7 AM ON 3-10-82 WAS 2.435 AVG. FLOWING TBG.
29 PSI 619. AVG METER RUN PSI 248.

LABEL: -----
DAILY COST: 5684
CUM COST: 561118
DATE: 3-10 AND 3-11-82
ACTIVITY: 3-10-82 CONTINUE FLOWING AND TESTING UPPER
02 NAVAJO FROM 7 A.M. ON 3/10 TO 7 A.M. ON 3/11.
03 AVG. FLOW RATE: 2968440
04 MAX. FLOW RATE: 3148884
05 MIN. FLOW RATE: 2548139
06 AVG. FLOWING TBG. PSI.: 623
07 MAX. FLOWING TBG. PSI.: 660
08 MIN. FLOWING TBG. PSI.: 597
09 AVG. PSI. AT METER RUN: 302
10 MAX. PSI. AT METER RUN: 320
11 MIN. PSI. AT METER RUN: 240
12 H2O SALINITY: 2500
13 H2S AVG.: 1050 P.P.M.
14 PH AVG.: 6.0

ALTIMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 367
ISSUED 04/12/82

15 3-11-82 STATUS: ACIDIZE UPPER NAVAJO ZONE.

LABEL: 820312
DAILY COST: 7504
CUM COST: 568622
DATE: 3-11-82
ACTIVITY: 3-11-82 ACTIVITY: FLOWED WELL THRU TEST SEPERATOR TIL
02 8[
03 8:AM RU DOWELL PT LINES TO 4000 PSI ACIDIZE UPPER NAVAJO
04 ZONE PERFS FROM 2800/2784 PUMPED 2000 GALS 15% HCL W/ADDITIVE
S
05 FOLLOWED BY 20 BBLs OF KCL WTR GOT FORMATION 2050 PSI W/17
06 BBLs PUMPED FORMATION FAIRLY TIGHT BUT HAD GOOD BALL ACTION
07 DURING TREATMENT BALLED OFF W/5 BBLs OF FLUSH SD AND TRIED TO
08 SURGE BALLS OFF FIRST PUMP LAST 5 BBLs OF FLUSH 2 BPM
09 INSTANT SI PSI WAS 0 PSI RD DOWELL AND RU SWAB EQUIP MADE 3
10 SWAB RUNS AND WELL STARTED FLOWING W/25 BBLs SWABBED BACK
11 TURNED WELL TO PIT TO UNLOAD ACID WTR HAD TO SI WELL TWICE
12 FOR A TOTAL OF 1 HR BECAUSE OF WIND DIRECTION TURNED THROUGH
13 TEST EQUIP 12:10 PM AFTER 15 MIN FTP WAS 575 PSI AND FLOW
14 RATE 3.3 MCF PRESSURE ON MTR RUN WAS 350 PSI AVERAGE FLOW
15 RATE DURING ACID JOB WAS 4.5 BPM MAX RATE 5.5 BPM MIN FLOW
16 RATE 2 BPM AVERAGE TREATING PSI WAS 2100 PSI MAX TREATING
17 PSI WAS 3000 PSI MIN WAS 500 PSI FLOWED THROUGH TEST EQUIP
18 UNTIL 12:00 MIDNIGHT ON 64/64 CHOKE EXCEPT FOR 2 HRS 4:30
19 PM TO 6:30 PM HAD HEATER PROBLEMS AVERAGE FLOW RATE DURING
20 THE FLOW PERIOD WAS 3546195 MAX FR 3623249 MIN FR 3408645
21 AVERAGE FR TBG PSI WAS 595 MAX 625 MIN 582 MTR RUN PSI AVERAG
E
22 365 MAX 375 MIN 345 CUT BACK TO 48/64 CHOKE 12:00 MID-
23 NIGHT BECAUSE OF HEATER PROBLEMS AVERAGE H2S WAS 1050 PPM
24 PH 0 SALINITY 154000 AVERAGE
25 3-12-82 STATUS: RUN STEP TEST

LABEL: 820315
DAILY COST: 3660
CUM COST: 572282
DATE: 3-12-13-82
ACTIVITY: 3-12-82 ACTIVITY: SI WELL 7:30 AM FOR BUILD UP PRESS
02 7:30 AM SI PRESS 627 PSI 10:00 AM MAX BUILD UP 729 PSI
03 MIN FLOW RATE 156-534- 724 PSI DWT 11/64 CHOKE 5 IN
04 1.53 GRAVITY 58 DEGREES 1050 PPM H2S SI 12:30 PM FOR
05 BUILD UP PRESS 724 PSI 3:00 PM MAX BUILD UP 735 PSI
06 FR .75 Q MIN+.25 Q MAX RATE 1016116 735 PSI DWT 18/64
07 CHOKE 1.25 ORFICE 1.53 GRAVITY 82 DGRS SI 5:30 PM FOR
08 BUILD UP PSI 740 PSI 8:00 PM MAX BUILD UP 743 PSI FR
09 .50 MIN + .50 MAX 1883569 715 PSI DWT 28/64 CHOKE 1.75 ORFICE
10 1.53 GVTY 80 DGRS 1100 PPM H2S SI 10:30 PM FOR BUILD UP
11 PSI 10:30 PM SI PRESS 737 PSI 1:00 AM MAX BUILD UP 742
12 PSI -----
13 3-13-82 ACTIVITY:FLOW RATE 1:00 AM TO 3:30 AM WAS 3697716

ALTAMONT OPERATIONS
DAILY COMPLETIONS AND REMEDIALS REPORT
WELL HISTORY FOR WELL 367
ISSUED 04/12/82

14 627 PSI DWT 40/64 CHOKE 2.0 ORFICE 1.50 GVTY 80 DGRS
15 SI 3:30 AM FOR PRESS BUILD UP PRESS 3:30 AM SI PRESS 715
16 PSI 715 PSI 6:00 AM MAX BUILD UP 742 PSI MAX FLOW RATE
17 4550369 525 DWT 111/64 CHOKE 2.0 ORFICE 1.53 GVTY 69 DGRS
18 1200 FPM H2S SI WELL 8:30 AM AND RAN BHP ELEMENT ON WIRE
19 LINE W/SHEAR PIN RELEASE TOOLS ON SEAT NIPPLE 26951
20 3000 PSI ELEMENT W/12 HR CLOCK SET 2701 4000 PSI ELEMENT
21 W/72 HR CLOCK SET 2707 FT. WILL PULL BHP ELEMENTS ON MONDAY
22 EVENING 3-15-82

LABEL: DISCONTINUED UNTIL LATER DATE.
DAILY COST: 2000
CUM COST: 585844
DATE: 3-16 AND 3-17 AND 3-18-82
ACTIVITY: 3-16-82 ACTIVITY: PREPARING TO T.A.
02 3-17-82 DAILY COST 15222 CUM. COST 583844.
03 3-17-82 ACTIVITY: PUMPED 50 BBLs. OF KCL WTR. TO
04 KILL WELL. REMOVE TREE AND INSTALLED BOPS. RELEASED
05 PKR. AND POOH LAYING DOWN TBG. AS WE PULLED. RAN
06 TBG. IN DERRICK LAYING BACK IN HOLE AND LAID DOWN SOME.
07 RU DWP AND RAN CIBP ON WIRE LINE AND SET AT 2650 FT.
08 POOH W/WIRELINE AND RU CMT. DUMP BAILER AND DUMPED
09 98 FT. OF CMT. ON TOP OF CIBP. TOP OF CMT. AT
10 APPROX. 2548 FT. POOH AND RD DWP. FILLED HOLE
11 W/KCL WTR. REMOVED BOPS AND INSTALLED 6X3000LBS.
12 FLANGE W/2 INCH VALVE ON WELL. DISMANTLE ALL PIPING
13 ABOVE GROUND LEVEL AND STARTED CLEANING UP
14 LOCATION. S.D.O.N.
15 STATUS: WILL R.D. WOW 19 AND MOVE BACK TO ALTAMONT
16 AREA COMPLETE CLEAN UP OF LOCATION AND BACK FILL
17 CELLAR AROUND W.H.
18 3-18-82 COSTS ARE GIVEN IN HEADING.
19 3-18-82 ACTIVITY: R.D. WOW 19 LOAD OUT EQUIP.
20 AND MOVE TO ALTAMONT AREA. BACK FILLED CELLAR
21 AROUND W.H. AND BUILT FENCE AROUND WELLHEAD. AND
22 CHAINED W.H. VALVES. TIGHTENED FENCE AROUND PIT
23 COMPLETED CLEANING UP LOCATION. FEDERAL 1-19
24 TA UNTIL LATE DATE.



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 22, 1983

Shell Oil Company
P. O. Box # 831
Houston, Texas 77001
Att: P. G. Gelling

Re: Well No. Federal # 1-19
Sec. 19, T. 15S, R. 12E.
Carbon County, Utah

Gentlemen:

The above referred to well has been currently under a temporarily abandoned status for six months or longer. Would you be kind enough to inform this office of a change in status, or let us know if it is still temporarily abandoned, submitted on a Sundry Notice (Form OGC-1B, enclosed).

Thank you for your prompt attention to the above submittal.

Respectfully,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Well Records Specialist

CF/cf
Enclosure

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Temporarily Abandoned</u>		5. LEASE DESIGNATION AND SERIAL NO. U-31800
2. NAME OF OPERATOR Shell Oil Company ATTN: B. T. Ellison 6486 WCK.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 831 Houston, Tx. 77001		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1412' FNL & 1541' FEL Sec. 19		8. FARM OR LEASE NAME Federal
14. PERMIT NO.		9. WELL NO. 1-19
15. ELEVATIONS (Show whether OF, RT, OR, etc.) KB 5668'		10. FIELD AND POOL, OR WILDCAT Farnham Dome
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 19 T15S R12E
NOTICE OF INTENTION TO: TEST WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) <u>Temporarily Abandoned</u>		12. COUNTY OR PARISH Carbon
PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON* <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>		13. STATE Utah
(Other) <input type="checkbox"/> (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.)*

The Federal 1-19 was originally completed and tested in March, 1982. The well was temporarily abandoned at that time. The well remains temporarily abandoned.

RECEIVED
 MAY 20 1983

DIVISION OF
 OIL, GAS & MINING

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

SIGNED Bart T. Ellison TITLE Div. Prod. Engr. DATE May 2, 1983

(This space for Federal or State office use)

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

June 4, 1984

State of Utah
Oil, Gas Mining
ATTN Norman C. Stout
4241 State Office Bldg.
Salt Lake City, UT 84114

Gentlemen:

VERIFICATION OF WELL INFORMATION

In reply to your May 18, 1984 letter concerning above subject matter, we submit the following updates/changes to your original list of properties operated by SWEPI.

<u>API Number</u>	<u>Well Name</u>	<u>Location</u>	<u>Prod. Zone</u>	<u>Status</u>
✓43-007-30061	Federal 1-19	SWNE Sec. 19, T-15SR-12E	NAVA	PA 5/84
43-013-30483	Brotherson 1-23B4R	NWNE Sec. 23, T-2SR-4W	WSTC	Active
43-013-30128	Burton 1-15B5	NWNE Sec. 15, T-2SR-5W	WSTC	Active
43-013-30476	Utel - 3B6	NENE Sec. 3, T-2SR-6W	WSTC	PA 10/11/80
43-013-30498	Utel - 17B6	NWNE Sec. 17, T-2SR-6W	GRRV	PA 9/5/80
43-037-15866	Bluff 33-4	NWSE Sec. 4, T-40S,R-23E	PRDX	PA Date Unknown
43-013-30038	Shell Brotherson 1-23B4	NWNE Sec. 23, T-2SR-4W	GR-WS	TA 4/79

Additionally, as follow up to the May 23, 1984 telephone conversation between our Elva Gomez and your Vicki Carney the Brotherson 1-23B4R is a redrilled well, which was reported previously as Brotherson 1-23B4 which was TA'd in April 1979.

If you should have any questions, please call Hayes Robinson at (713) 870-4161.

Yours very truly,

Original Signed By
A. J. RUIZ

A. J. Ruiz
Supervisor Oil Accounting
Rocky Mountain Division

HR:VJC

MQR1:hr-1-1

12-9-86
12



J. Fore
2/22/87
↓
LYNN
SACKSON

Shell Western E&P Inc.
A Subsidiary of Shell Oil Company

P.O. Box 576
Houston, TX 77001

February 12, 1987

RECEIVED
APR 06 1987

*Rec'd
USO
3-11-87*

United States Department of the Interior
Bureau of Land Management
ATTN Mr. Bob Hendrick
136 East South Temple
Salt Lake City, UT 84111

**DIVISION OF
OIL, GAS & MINING**

Gentlemen:

SUBJECT: FARNHAM DOME SOUTH UNIT, CARBON COUNTY, UTAH
PLAN OF DEVELOPMENT AND OPERATION FOR 1987

Shell Western E&P Inc., as Unit Operator for the Farnham Dome South Unit, respectfully submits for your approval the attached Plan of Development and Operation for 1987. If you have any questions or wish to discuss this Plan of Development, please contact D. E. Burbank at 713-870-2213.

Yours very truly,

A. J. Fore
A. J. Fore
Supervisor Regulatory and Permitting
Western Division

DEB:AD

Attachment

cc: Shell Western E&P Inc.
M. A. Bergeon
J. M. Winder
D. E. Burbank
E. W. Morse

ACCEPTED - EFFECTIVE APR 1 1987

[Signature]
CHIEF, BRANCH OF FLUID MINERALS
BUREAU OF LAND MANAGEMENT

UNIT CONTRACTED 3-15-87

BNBK8701604

DNM

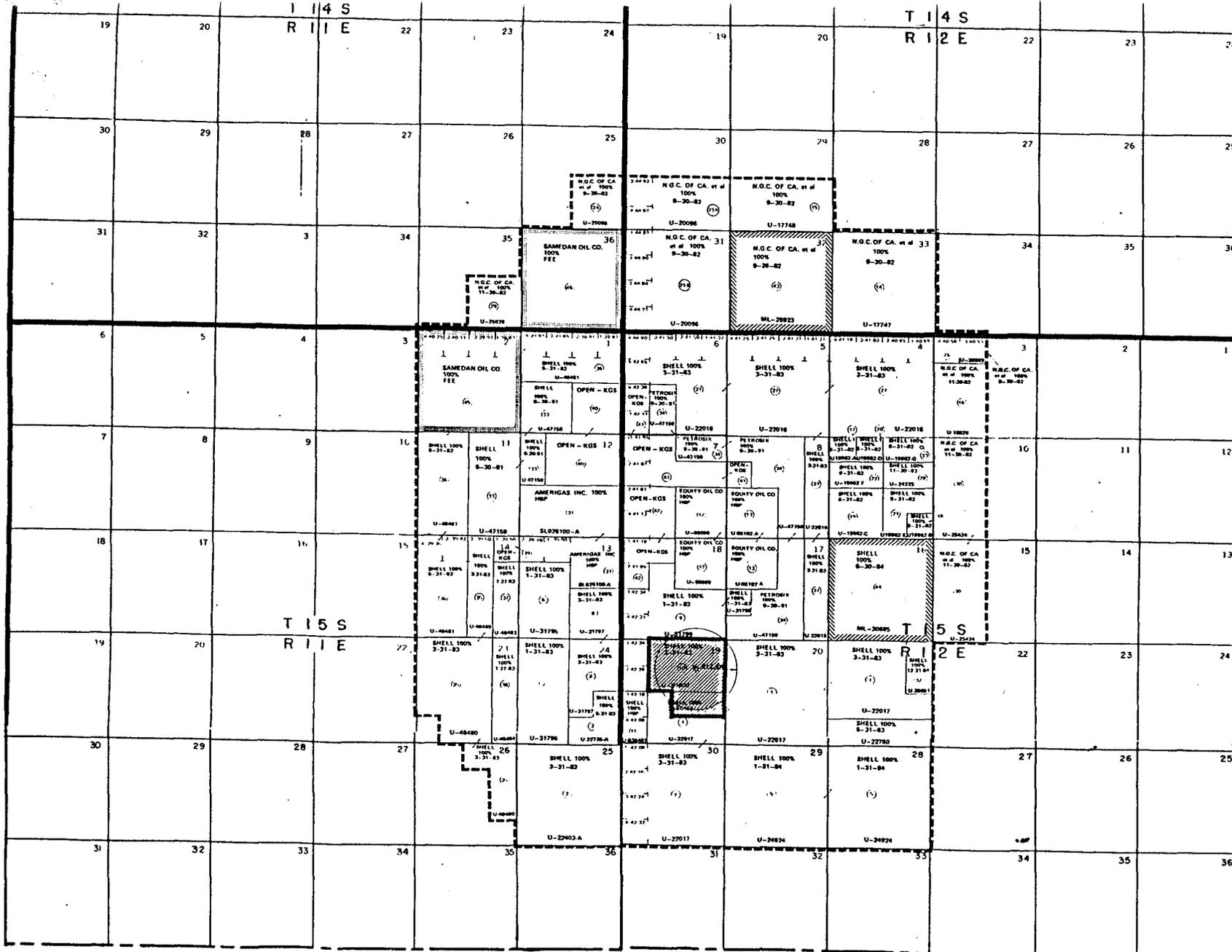


EXHIBIT "A"
FARNHAM DOME SOUTH UNIT AREA
 CARBON COUNTY, UTAH

	ACREAGE	PERCENTAGE
FEDERAL LANDS	17,486.01	87.2288%
STATE LANDS	1,280.00	6.3862%
PATENED LANDS	1,280.16	6.3880%
TOTALS	20,046.17	100.00%

----- UNIT OUTLINE INITIAL PARTICIPATING AREA
 (a) TRACT NUMBER

SHELL OIL COMPANY
 HOUSTON, TEXAS

PLAN OF DEVELOPMENT AND OPERATION 1987
FARNHAM DOME SOUTH UNIT
CARBON COUNTY, UTAH
JANUARY 1987

In accordance with Paragraph 10 of the Farnham Dome South Unit Agreement dated January 20, 1981, the following Plan of Development and Operation for 1987 is submitted for your approval.

BACKGROUND

The expanded Farnham Dome South Unit was approved by the Bureau of Land Management, effective as of August 1, 1982. The BLM's letter dated February 29, 1984 granted this approval and stated that, "No obligation wells will be required as prior drilling in the proposed expanded area has demonstrated significant reserves of carbon dioxide."

A subsequent BLM letter dated November 5, 1984 gave approval for the "initial Navajo formation participating area of 320 acres," effective as of March 18, 1982. This letter stated that, "The participating area is based upon the completion of Well No. 1-19 in the NE/4 Section 19, T.15S., R.12E., SLM, drilled on Tract No. 10, Lease U-31800." Exhibit "A" is a map which depicts the 20,046.17 acre unit area and the 320 acre initial participating area.

CURRENT STATUS

Shell Western E&P Inc. has been actively searching for a market for the CO₂ gas since the expanded unit area was approved by the BLM. As the BLM is aware, the expansion was essential to unitize sufficient reserves for the Farnham Dome South Unit to be competitive, since marketability is dependent on the volume of reserves. Our search for a market will continue during 1987.

The 1986 Plan of Development included no well drilling or other field operations, and we are proposing none for the 1987 Plan of Development. Field geology and CO₂ reserves have been defined reasonably well by past drilling as discussed at length in our 1985 Plan of Development. After contractual arrangements have been negotiated for sale of CO₂, development of the resource will proceed such that the geologic interpretation can be further refined while deliverability volumes are established. As part of this program, "paying-well determinations" will be submitted to the BLM for all wells drilled, and the participating area (or areas) will be revised as appropriate. Our present development scheme envisions drilling wells on 320 acre spacing with the initial few wells drilled as direct offsets to the Shell-Federal 1-19 well. Thereafter, additional wells would be drilled as dictated by geologic and reservoir analysis and to build field deliverability compatible with CO₂ sales commitments.

Well No. 1-19

The Shell-Federal 1-19 well is classified as "temporarily abandoned" awaiting marketing facilities and will remain in this configuration until CO₂ sales are impending.

In the event that a market is found for CO₂ producible from Farnham Dome and development must commence during 1987, we will submit a supplemental plan of development for approval.

Shell Western E&P Inc., as Unit Operator requests approval of this Plan of Development and Operation for 1987.

Recommended: R. J. Rauter
Division Engineering Manager
Western Division
Shell Western E&P Inc.

Date: Feb 6, 1987

Approval: _____

Date: _____

DEB:AD

Attachments

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO

U-31800

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

FARNHAM DOME SOUTH UNIT

8. FARM OR LEASE NAME

UNIT

9. WELL NO.

FEDERAL 1-19

10. FIELD AND POOL, OR WILDCAT

FARNHAM DOME

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

SW/4 NE/4 SEC. 19

T15S-R12E

12. COUNTY OR PARISH 13. STATE

CARBON

UTAH

1. OIL WELL GAS WELL OTHER CO2

OCT 16 1989

2. NAME OF OPERATOR

SHELL WESTERN E&P INC.

3. ADDRESS OF OPERATOR

P. O. BOX 576, HOUSTON, TEXAS 77001 (WCK 4435)

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

See also space 17 below.
At surface

1412' FNL & 1541' FEL SEC. 19

14. PERMIT NO.

NA 43-007-30001

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

5651' GR

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.)

1. Notify BLM personnel 10 days prior to beginning P&A operations:

Dan Manchester (Subsurface work)
Ph 801/259-6111

Dan Cressey (Surface work)
Ph 801/637-4854

2. Circ inhib FW.

3. Perf 5-1/2" 15.5# csg w/4-way jet shots @ 880' (50' below 8-5/8" csg shoe) and @ 50' from surf.

4. Set cmt ret or pkr @ 770' (50' above 8-5/8" csg shoe).

5. Brk circ around 5-1/2" csg.

6. Spot 110' cmt plug (770'-880') inside and outside 5-1/2" csg & across 8-5/8" csg shoe using 35 sx Cls "G" cmt.

7. Tie onto 5-1/2" csg & circ 16 sx Cls "G" cmt from 50' to surf inside and outside 5-1/2" csg.

8. Cut off WH and csg @ base of cell or 3' below restored GL, whichever is deeper. Fill all csg to cut-off top w/cmt or gravel.

9. Cover wellbore w/1/2" thick metal plate wld in place, or cover w/cmt cap that extends at least 12" beyond largest dia pipe and is at least 4" thick.

10. Install P&A marker. Marker must be at least 4" dia pipe, extend 4' above GL, & be embedded in cmt or wld to csg. Well name, legal description, TD & EL to be

(CONT'D ON REVERSE SIDE)

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

SIGNED [Signature] J. H. SMITHERMAN

TITLE REGULATORY SUPV.

DATE 10/13/89

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

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

DATE: 10-20-89

*See Instructions on Reverse Side

Federal approval of this action
is required before commencing
operations.

OIL AND GAS	
DRN	RIF
✓ JEC ✓	GLH
DTT	SLS
2-TAS	✓
3- MICROFILM	✓
4- FILE	

permanently inscribed on marker.

- Remove all equip & material from loc. Restore R&L to its previous grade & productive capacity as directed by BLM representative.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN **PLICATE**
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO

U-31800

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER CO2 DEC 11 1989

2. NAME OF OPERATOR
SHELL WESTERN E&P INC.

3. ADDRESS OF OPERATOR
P. O. BOX 576, HOUSTON, TEXAS 77001 (WCK 4435)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface 1412' FNL & 1541' FEL SEC. 19

14. ~~XXXXXX~~ API NO.
43-007-30061

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5651' GR

7. UNIT AGREEMENT NAME
FARNHAM DOME SOUTH UNIT

8. FARM OR LEASE NAME
UNIT

9. WELL NO.
FEDERAL 1-19

10. FIELD AND POOL, OR WILDCAT
FARNHAM DOME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SW/4 NE/4 SEC. 19
T15S-R12E

12. COUNTY OR PARISH 13. STATE
CARBON UTAH

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

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

(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.)

11-13 to 11-17-89;
Met w/BLM's Dan Cressy & discussed reclamation procedures. Dug out cell to bradenhead valve & 8-5/8" csg. Checked well for pres (none present), CO₂, H₂S & flammable gas. All OK. Tagged existing plug @ 2548'. Circ'd 5-1/2" csg w/9# gelled mud. Perf'd 5-1/2" 15.5# csg w/4-way jet shots @ 880'. Brk circ dwn 5-1/2" & up 8-5/8" csg to surf. Perf'd 5-1/2" csg @ 50' below surf. Set cmt ret @ 770'. Spot 110' (35 sx) Cls "G" cmt plug from 770' to 880'. Pmpd dwn 5-1/2" w/1 bbl fresh wtr, 4 bbls cmt & 1 bbl fresh wtr. Circ'd cmt to surf for a top plug of 50' (inside and outside 5-1/2" csg). Cut hole in 8-5/8" & 5-1/2" csg's, 3' below surf to allow cmt to clear csg hd. Removed all equip & material from loc. Wld P&A marker to csg. Well P&A'd. Restored R&L.
NOTE: BLM's Dan Cressy witnessed P&A operations.

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS

18. I hereby certify that the foregoing is true and correct
J. H. SMITHERMAN J. H. SMITHERMAN TITLE REGULATORY SUPV. DATE 12-6-89

(This space for Federal or State office use)
APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:
1-TAS
2-MICROFILM DATE
3-FILE

*See Instructions on Reverse Side