

**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
M. J. Harvey, Jr.

3. ADDRESS OF OPERATOR
P.O. Box 12705 Dallas, Texas 75225

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface **1980' FNL & 2035' FEL (SWNE)**
At proposed prod. zone **Same**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
3 miles east of Castledale, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)
1980'

16. NO. OF ACRES IN LEASE
2164.25

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

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

19. PROPOSED DEPTH
200'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5755' GR

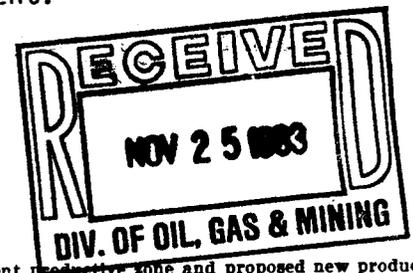
22. APPROX. DATE WORK WILL START*
November 30, 1983

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 1/2"	6 5/8"	17#	60'	Cement to surface
5 1/4"	3 1/2"	11#	TD	+50 Sacks

We propose to drill a 200' Ferron formation test.
If the well is productive, we will case as shown above and complete as indicated on the attached 10-Point. If dry, we will Plug and Abandon as required by the Bureau of Land Management.

LEASE EXPIRES NOVEMBER 30, 1983



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 M. J. Harvey TITLE owner DATE 11/17/83

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

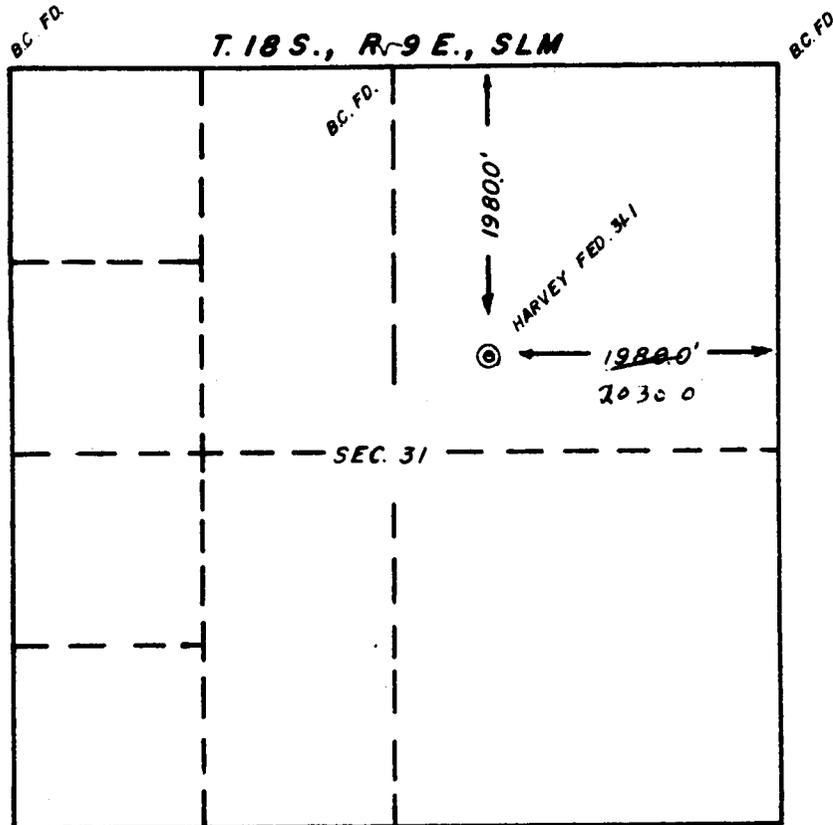
CONDITIONS OF APPROVAL, IF ANY:

M
11-25-83

LANE SURVEYS
 FOR
 — BOUNDARIES —
 LEGAL DESCRIPTIONS
 TOPOGRAPHIC SURVEYS
 CONSTRUCTION SURVEYS

VERN E. LANE
 PHONE 632-1487
 RLS No. 539 Wyo.
 MEMBER - ACSM

1739 NEWTON DRIVE
 CHEYENNE, WYOMING 82001



SCALE 1" = 20 Chs.

ELEVATIONS
 200' OFFSETS
 NORTH 5730.4'
 EAST 5750.3'
 SOUTH 5768.3'
 WEST 5742.7'

WELL HARVEY FED 31-1 FIELD WILDCAT
 LOCATION 1980 ft. from N. Line and ²⁰³⁰1980 ft from E. Line
 SECTION 31 TOWNSHIP 18 S RANGE 9 E., S.L.M.
 ELEVATION 5755 ft. above mean sea level - natural ground
 COUNTY EMORY STATE UTAH DATE November 9, 1984

CERTIFICATE OF SURVEYOR

I, JOHN A. STEIL, REGISTERED LAND SURVEYOR, STATE OF UTAH,
 DO HEREBY CERTIFY THAT THE PLATTED LOCATION SHOWN ABOVE
 CORRECTLY REPRESENTS A SURVEY MADE UNDER MY SUPERVISION
 BY VERN E. LANE ON THE GROUND IS TRUE AND CORRECT TO THE
 BEST OF MY KNOWLEDGE.

John A. Steil
 John A. Steil, Utah LS 5294

ADDITIONAL INFORMATION

M. J. Harvey Jr.
Harvey Federal #31-1

Emery County, Utah

1. GEOLOGIC SURFACE FORMATION

The surface is the Ferron sandstone member of the Mancos formation.

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

1st Ferron	Surface
2nd Ferron	150'
Tununk	175'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERAL-BEARING FORMATIONS

Ferron	Surface-160'	Possible Oil and Gas
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4. PROPOSED CASING PROGRAM

Surface	6 ⁵ / ₈ "	17.0#/ft.	60'	New K-55
Production	3 ¹ / ₂ "	11.0#/ft.	TD	New K-55

5. OPERATOR'S MINIMUM SPECIFICATION FOR PRESSURE CONTROL EQUIPMENT

The attached EXHIBIT "Z" is a schematic diagram of equipment to be used. All components of this equipment will be tested to 500# pressure after installation. Pipe rams will be operated and checked each time drill pipe is out of the hole, or at least once every 24 hours.

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATING FLUID

From surface to total depth, the fluid will have a weight of 8.6 to 9.2 with flocculant, lime or gel added as needed. A viscosity of 34-38 with a 6-8 water loss will be maintained. Sufficient quantities of mud material will be kept on location at all times.

7. AUXILLIARY EQUIPMENT TO BE USED

- A. A kelly cock will be used at all times.
- B. A float will be used above the bit whenever possible.

M. J. Harvey, Jr.
Harvey Federal #31-1

- C. Pit level is visually monitored by rig personnel at all times.
- D. A stabbing valve will be on the rig floor to be stabbed into the drill pipe when the kelly is not in use.

8. TESTING, LOGGING AND CORING PROGRAMS TO BE FOLLOWED

- A. Drill stem tests will be made if commercial production is indicated.
- B. No coring program is planned.
- C. Logs run will be IES from surface to total depth, with other logs run as determined necessary at the time.
- D. If fracture treatment is required, we plan to use water. If flammable material is used, we will space all frac equipment as necessary for safety and regulations.

9. ANY ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

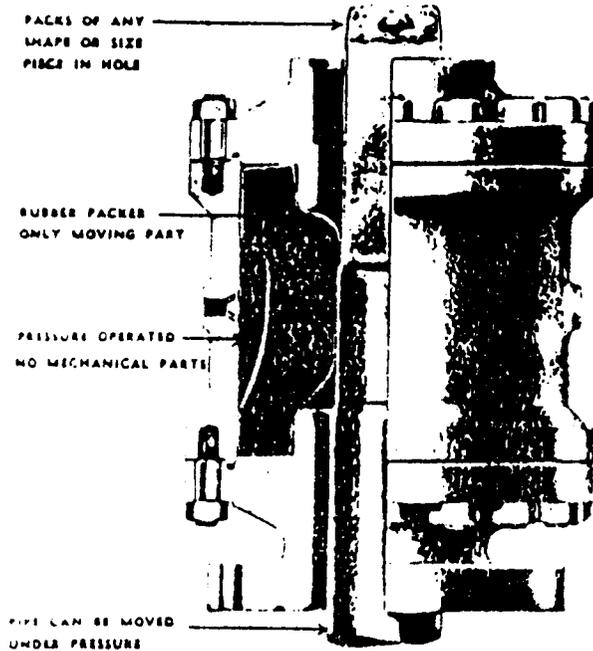
No abnormal pressures or temperatures have been noted in the few wells drilled to the Ferron in this area. No hazards such as hydrogen sulfide gas are known to be present.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS

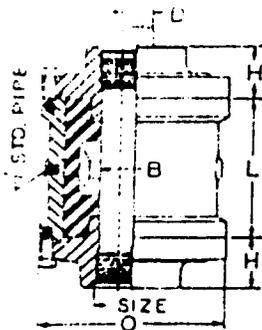
The anticipated starting date is November 30, 1983. This lease expires at midnight, November 30, 1983.

REGAN BLOWOUT PREVENTERS

TYPE K
PATENTED



The Regan Type 'K' Blowout Preventer, normally open to the full bore of the casing to provide for free passage of bits, tools, etc., can be remotely operated to pack off the opening around any shape of pipe, wire, or tool likely to require pack-off. The pressure required to operate the packer is usually 500 psi or greater than well pressure. By using a fluid medium such as air, gas, or water and hydraulic pressure to actuate the packer, this tool becomes an ideal stripper, allowing all sorts of pipe strings to be stripped through the preventer at any desired depth.



Model 3—Body assembled with Model 3 flanges (Blunt or threaded). When the Blowout Preventer is assembled with Model 3 flanges at both ends, it presents the standard hook-up which may be placed in any position in the cellar by employing nipples of suitable length. Conventional practice in this hook-up, calls for a welded mud line connection, either above or below the Blowout Preventer.

DATA CHART FOR REGAN TYPE K BLOWOUT PREVENTER HOUSINGS

WELL TEST Type B.O.P.	Bore B	D—Dia. Pipe Rubber Tested un to 3000 #	Recommended Range Dia. Pipe to be Packed-ON		Diam. O	Length of Body L	DIMENSION H ON FLANGES									
			Max.	Min.			Model 1	Model 4	Model 5x900	Model 5x1500	Model 6x900	Model 6x1500	Model 7	Model 8x900	Model 8x1500	Model 11
4 1/2"	6 1/4"	2 1/4"	6 1/2"	2 1/4"	17	14	6 1/2"	19	10 1/4"	11 1/4"	19 1/2"	20 1/2"	21			
5 1/2"	7 1/4"	2 3/4"	7 1/2"	2 3/4"	21 1/2"	17	8 1/2"	19 1/2"	11 1/4"	12 1/4"	19 1/2"	20 1/2"	21 1/2"	21 1/2"	21 1/2"	21 1/2"
6 1/2"	8 1/4"	3 1/4"	8 1/2"	2 3/4"	24 1/2"	19 1/2"	9 1/2"	19 1/2"	12 1/4"	13 1/4"	19 1/2"	20 1/2"	21 1/2"	21 1/2"	21 1/2"	21 1/2"
7 1/2"	10"	3 3/4"	10"	2 3/4"	27 1/2"	21	10 1/2"	19 1/2"	12 1/4"	13 1/4"	21 1/2"	22 1/2"	21 1/2"	21 1/2"	21 1/2"	21 1/2"
8 1/2"	10 3/4"	4 1/4"	10 1/2"	2 3/4"	30	27	10 1/2"	20 1/2"	12 1/4"	14 1/4"	19 1/2"	21 1/2"	22 1/2"	21 1/2"	21 1/2"	21 1/2"
9 1/2"	11 1/4"	4 3/4"	11 1/2"	2 3/4"	30	25	10 1/2"	20 1/2"	12 1/4"	14 1/4"	19 1/2"	21 1/2"	22 1/2"	21 1/2"	21 1/2"	21 1/2"
10 1/2"	12 1/4"	4 3/4"	12 1/2"	2 3/4"	32	28	10 1/2"	20 1/2"	12 1/4"	14 1/4"	21 1/2"	22 1/2"	21 1/2"	21 1/2"	21 1/2"	21 1/2"
11 1/2"	13 1/4"	4 3/4"	13 1/2"	2 3/4"	34 1/2"	30	10 1/2"	20 1/2"	13 1/4"	15 1/4"	22 1/2"	23 1/2"	22 1/2"	21 1/2"	21 1/2"	21 1/2"

M. J. HARVEY, JR.
Harvey Federal #31-1

EXHIBIT "Z"

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

M. J. HARVEY, JR.

W-24222

Harvey Federal #31-1

Sec. 31, T18S, R9E

Emery County, Utah

1. EXISTING ROADS

- A. Refer to the enclosed Survey Plat and EXHIBIT "A" for the proposed wellsite as staked. Onsite staking includes directional reference stakes.
- B. Refer to EXHIBIT "A". The wellsite is 3 miles east of Castledale, Utah.
- C. Access roads to the drillsite are labeled.
- D. As this is an exploratory well, refer to EXHIBIT "B" for all roads within 3 miles.
- E. This is not a development well.
- F. Refer to EXHIBIT "A" for roads from Price to Point (1) which is state maintained. The roads from Point (1) to the drillsite are county maintained.

2. PLANNED ACCESS ROADS

Refer to EXHIBIT "B".

- (1) Access from the county road onto the drillsite will be UNTOUCHED for drilling and upgraded after production is encountered. The road surface will be 18 feet wide.
- (2) The maximum grade on the new road is 1-2 percent.
- (3) No turnouts will be built.
- (4) If production is encountered, the road will be constructed to allow proper drainage with water diversion ditches put where necessary.
- (5) No culverts will be installed during drilling. However, they will be installed if necessary after production is encountered. There are no major cuts or fills.
- (6) We do not plan to use any foreign surfacing materials.
- (7) Cattleguards, gates or fence cuts are not needed.
- (8) As the drillsite is beside a county road, the access is not flagged other than stakes on the location.

3. LOCATION OF EXISTING WELLS

See EXHIBIT "B". The nearest well of any kind is a dry hole drilled in 1921 in the SWSW of Section 32, T18S, R9E, by Kralik Oil Company.

Water wells 0
Abandoned wells 2
Temporarily abandoned wells 0
Disposal wells 0
Drilling wells 0
Producing wells 0
Shut-in wells 0
Injection wells 0
Observation wells 0

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. M. J. Harvey, Jr. does not have facilities within one mile of the proposed drillsite.
- B. Refer to EXHIBIT "D" for all proposed facilities when production is encountered.
- (1) New facilities will be placed on the south edge of the location.
- (2) Refer to EXHIBIT "C" for dimensions of the facilities which will be installed on the site if production is encountered.
- (3) Equipment used for production facilities will consist of a pumping unit, two tanks and a heater-treater if necessary. All facilities will be erected in accordance with all applicable rules and regulations.
- (4) Measures to protect animals will be to enclose the weights on the pumping unit and to fence the pit.
- C. We plan to rehabilitate disturbed areas not needed for operations after construction by restoring and reseeded according to Bureau of Land Management recommendations.

5. LOCATION AND TYPE OF WATER SUPPLY

- A. The actual water source is undetermined at this time, but local water haulers will supply the location of the water and necessary permits at a later date.

- B. All water used will be trucked on existing roads.
- C. We will not drill water supply wells.

6. SOURCE OF CONSTRUCTION MATERIALS

- A. Fencing materials will be the only construction materials required. They will be purchased in Castledale or Huntington, Utah.
- B. No construction materials will be obtained from Federal or Indian lands.
- C. We do not plan to use foreign materials such as gravel, asphalt, etc. However, if they are necessary, they will be purchased from local reputable contractors with all the required permits.
- D. Not applicable.

7. METHODS OF HANDLING WASTE DISPOSAL

- (1) Drilling cuttings will be disposed of and contained in the reserve pit.
- (2) Drilling fluids will be disposed of and contained in the reserve pit.
- (3) Water produced during testing will be put in the reserve pit. Water produced during production will be disposed of in accordance with NTL-2B. Oil produced during testing will be put in test tanks located on the drillsite.
- (4) All sewage is to be contained in a portable tank or chemically treated hole on the location and buried at least 4' deep after operations are completed.
- (5) Garbage and waste materials will be contained in a trash can and disposed of in the local city dump after not in use.
- (6) Upon completion of drilling operations, all waste materials will be collected and either buried on the drillsite or hauled to the local dump. The reserve pit will be backfilled after it is dry. The mouse and rat holes will be filled and the drill hole covered or plugged immediately.

8. ANCILLARY FACILITIES

Any such facilities are to be temporary and will consist of one self-contained trailer house on the drillsite. No camps or airstrips are to be constructed.

9. WELLSITE LAYOUT

- (1) Refer to EXHIBIT "C" for cross sections of the drill pad with cuts and fills.
- (2) Refer to EXHIBIT "D" for the location of all necessary rig equipment and living facilities and for the location of soil stockpiles.
- (3) Refer to EXHIBIT "D" for the location of parking areas, access roads and rig orientation.
- (4) The reserve pit will be unlined.

10. PLANS FOR RESTORATION OF SURFACE

- (1) The only surface disturbed will be the pit. The rig will be leveled with jacks and due to the small rig used, a level location is not necessary.
- (2) Revegetation and rehabilitation of disturbed areas will comply with Bureau of Land Management recommendations.
- (3) The reserve pit will be fenced immediately after rig release.
- (4) Any oil in the pit will be removed immediately.
- (5) All rehabilitation will begin as soon as possible.

11. OTHER INFORMATION

- (1) The wellsite as staked lies on a broad, nearly flat, colluvium-covered surface. Vegetation consists of yucca, cactus, thorn bushes, weeds and native grasses.
- (2) The surface at the drillsite is owned by the Federal Government and regulated by the Bureau of Land Management. The area is used for wildlife habitat.
- (3) There are no occupied dwellings, no water wells or surface water in the area. There are no known historical, cultural, or archeological sites within close proximity. An archeological survey will be conducted and the results sent to appropriate agencies.
- (4) THE DRILLSITE WAS MOVED 50' WEST OF CENTER OF THE LEGAL SUBDIVISION FOR TOPOGRAPHICAL REASONS. AN 8:00 AM, NOV. 17, FIELD INSPECTION WITH MR. MERVIN MILES, BLM, INDICATED THIS MOVE IS JUSTIFIED.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

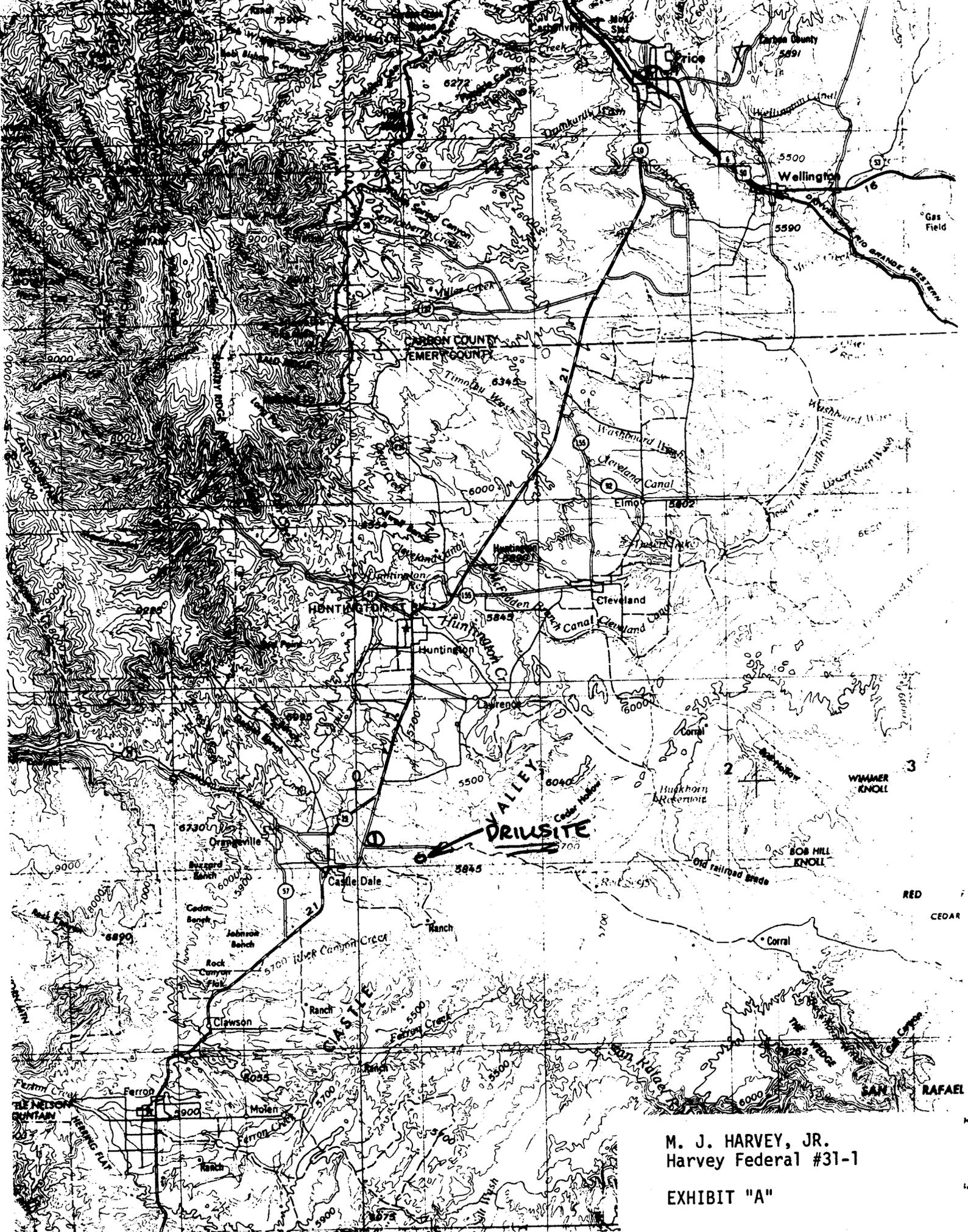
M. J. Harvey, Jr.	NTL-6 Representative
P. O. Box 12705	Jerry Keeler
Dallas, Texas 75225	P. O. Box 927
(214) 363-7380	Newcastle, Wyoming 82701
	(307) 746-9337

13. CERTIFICATION

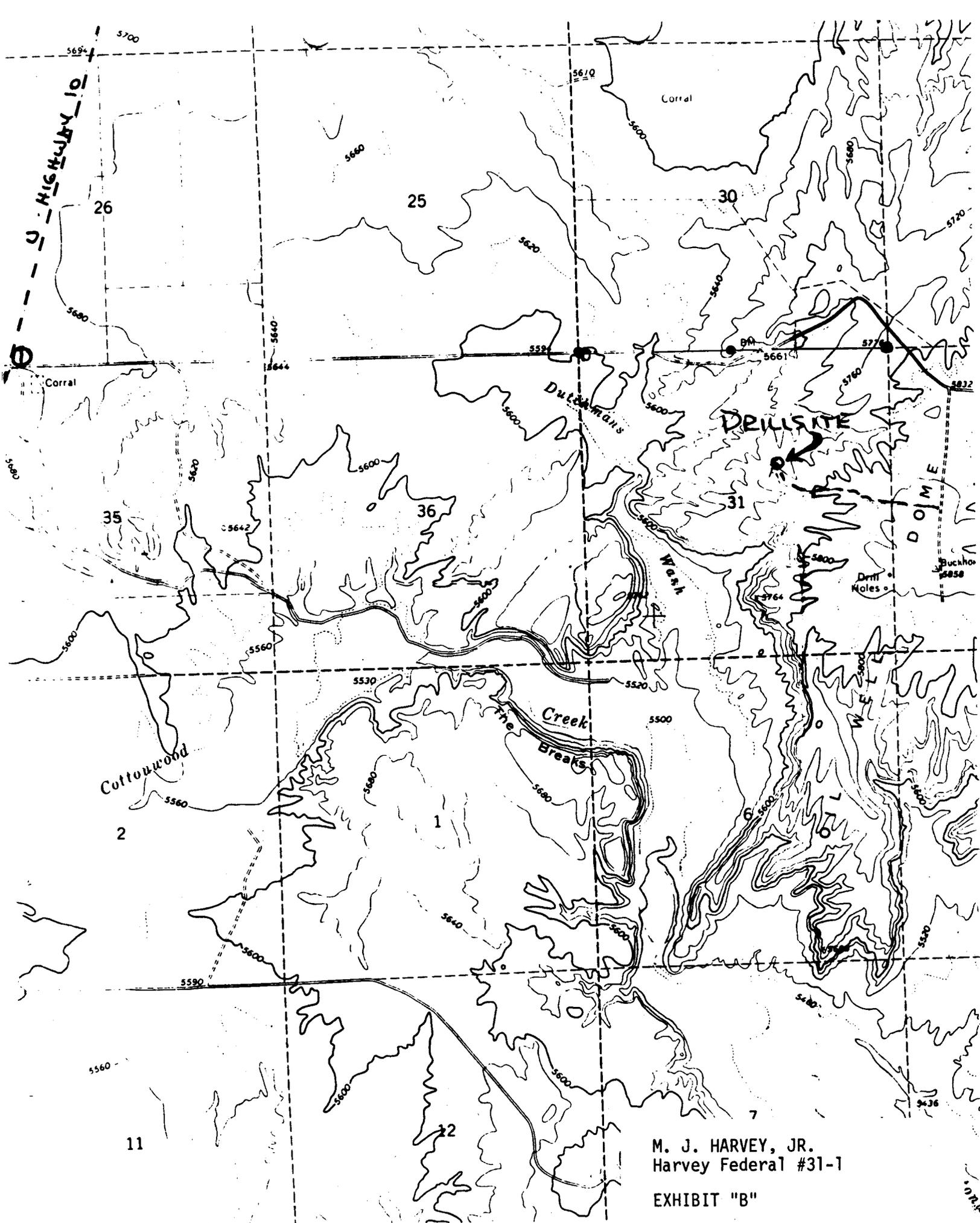
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by M. J. Harvey, Jr. and his contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date: 11/17/83

Name M. J. Harvey
& Title Owner



M. J. HARVEY, JR.
 Harvey Federal #31-1
 EXHIBIT "A"



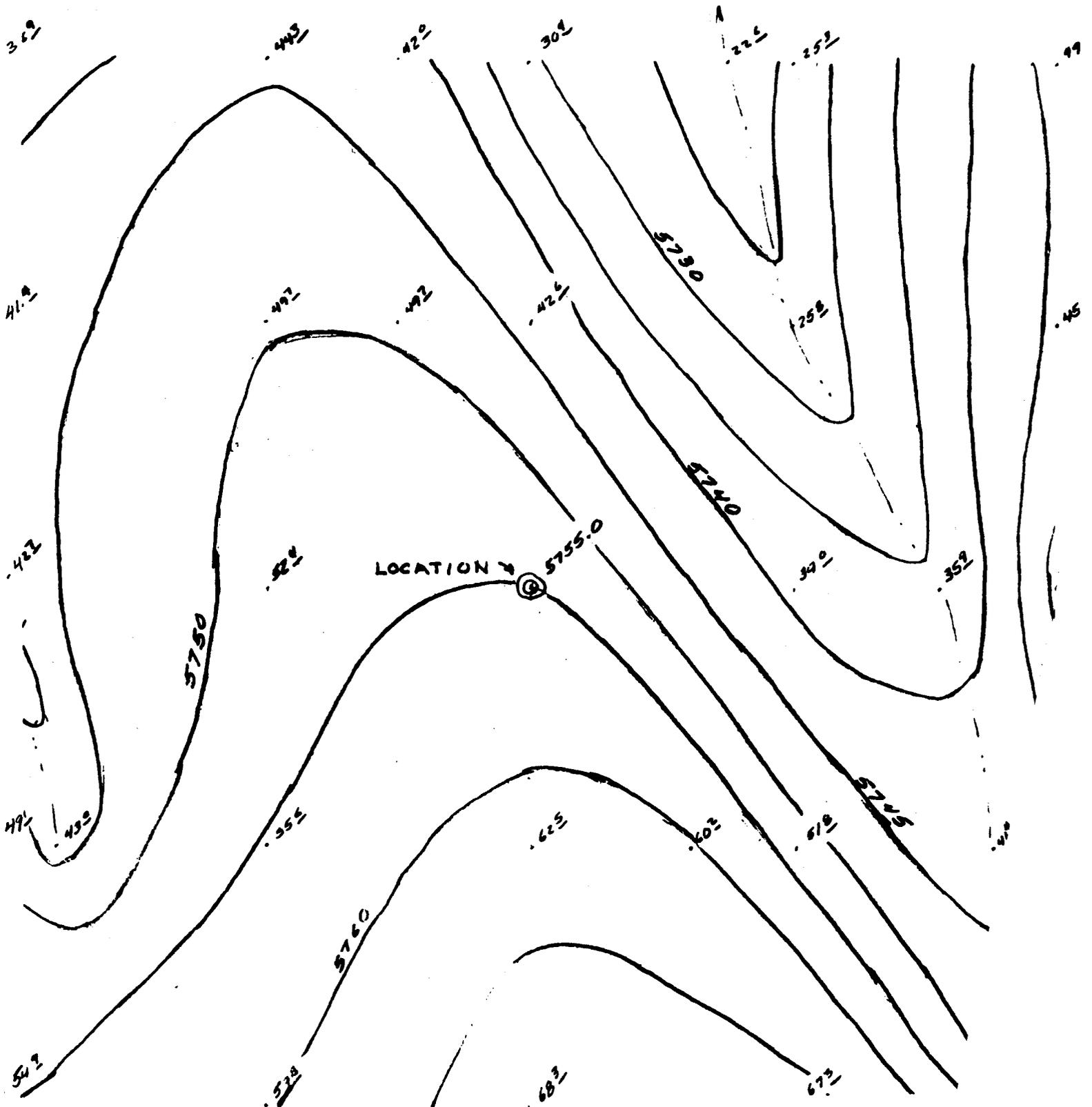
M. J. HARVEY, JR.
Harvey Federal #31-1
EXHIBIT "B"

HARVEY FED 31-1
1980' FEL
1980' FNL
SEC 31
T. 18 S., R. 9 E.,
EMORY CO.,
UTAH



SCALE
1" = 50'
5' CONTOURS

WELL SITE TOPO



M. J. HARVEY, JR.
Harvey Federal #:
EXHIBIT "C"



.SLT



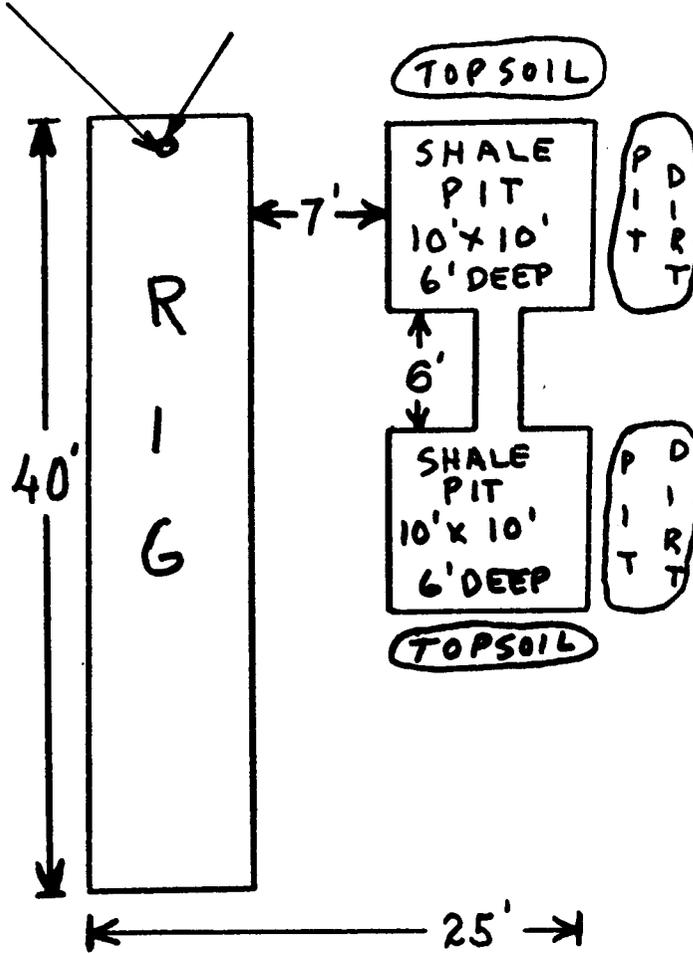
.SLT

TRUCK



SOIL
PIT

ADDITIONAL SURFACE
TO BE LEVELLED IF
THE WELL IS PRODUCTIVE



M. J. HARVEY, JR.
Harvey Federal #31-1

EXHIBIT "D"

SURFACE USE PLAN
OIL AND GAS STIPULATIONS

Moab DISTRICT
San Rafael RESOURCE AREA
900 North T East ADDRESS
801-637-4584 TELEPHONE

Lease No.: ~~63~~ U-24222 Pre-drill Inspection Date: 11/17/83

Operator: M J Harvey, Jr. Participants: Merwin Miles

Well Name: Harvey Fed #31-1 Young Keller

Well Location: ZONE 31-T185

Paper Wells

CONSTRUCTION:

- (✓) The operator or his contractor will contact the Area Manager or Surface Protection Specialist at the San Rafael Resource Area Office in Piute Utah, phone 801- 637-4584, 48 hours prior to beginning any work on public land.
- (✓) The dirt contractor will be furnished with an approved copy of the surface use plan and any additional BLM stipulations prior to any work.
- (✓) Use of water from sources such as wells, springs, streams, or stock ponds for activities associated with this well will be approved, prior to use, by the BLM authorized officer, and by the agency or individual holding the water right.
- (✓) If cultural material is exposed during construction, work in that spot will stop immediately and the BLM Resource Area Office will be contacted. All employees working in the area will be informed by the operator that they will be subject to prosecution for disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will only be done if damage occurs.

(L) Improvement to the existing road ~~will~~/will not be necessary. The upgrading will conform to the Class (I, II, III) road standards. The county road department will be contacted before using any known county road.

If well is productive the road will be upgraded to Class III standards within 60 days.

NA
(S) New road construction will be in conformance to the Class (I, II, III) road standards. All roads will be constructed with drainage dips (water bars) as detailed in the road standards.

(NA) Topsoil will/will not be saved along the route. The top _____ inches of soil material will be removed from the route's surface and stock piled separate from the route in such a manner that it may be replaced to the same depth back on the route should the route need to be reclaimed. Stockpile areas will be subject to the approval of the authorized officer.

(NA) Trees on route will be _____

- (✓) Surfacing material will not be placed on the access road or location without prior BLM approval.
- (✓) Drainages shall not be plugged by roadbed. Drainage crossings shall be constructed so as not to cause siltation or accumulation of debris. Where siltation or accumulation of debris occurs, the drainage crossing shall be reworked or relocated.
- (✓) Surface disturbance and vehicular travel will be limited to the approved access route and approved location. Any additional area needed will require the BLM authorized officer's approval in advance.
- (✓) The top 6 inches of soil material will be removed from the location and stockpiled on the Southeast side of the location. This stockpile should contain:

$$\frac{6'' \text{ Ft} \times 50' \text{ Ft} \times 50' \text{ Ft}}{\text{Depth of Topsoil} \quad \text{Width of Location Ft} \quad \text{Length of Location Ft}} \div 27 \text{ ft}^3/\text{yd}^3 = \text{_____ yd}^3$$

If inadequate topsoil is stockpiled, operator will bring in suitable material from outside sources at his expense.

- (✓) The entire pad will need to be moved in a westerly direction 50' feet.
Trees on location will be _____

- (✓) The pit ~~will~~/will not be lined with _____ to prevent seepage. The reserve pit banks will be 2.0 ft above pad and constructed in 8" lifts, compacted, and be sufficiently wide to allow passage of equipment.
Key Way _____

- (✓) Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying. The fence will be four strands of barbed wire.

Pit will be fenced or filled immediately after the well is drilled

- (✓) A trash cage will be used on site to contain all trash. Barrels, cable, wood and all other trash will be hauled to a local sanitary landfill to be disposed of. Open burning of trash or refuse is illegal under Section 2.4 Utah Air Conservation Regulations. Operator will be responsible for all trash and roadside litter generated by their operation along their access route; from _____ to Location.

(✓) A sewage or septic system will be installed to handle wastes created by personnel living at the location. This system will have to meet the specifications of the local Health District and have the approval of the local sanitarian.

Rehabilitation

(✓) The operator or his contractor will contact the BLM San Rafael Resource Area Office in Price, Utah, phone 801-637-4584, 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.

(✓) Before any earthwork to restore the location takes place, the reserve pit will be dry and all trash (barrels, metal, etc.) it contains must be removed from public lands.

(NA) The pit will be drained into a network of trenches 2" to 3" feet wide and a minimum of 4' deep and covered with earth (not the stockpiled topsoil). All trash contained in the pit (barrels, metal, etc.) must be removed from public lands. Recontouring of location and pit can be started immediately.

(✓) All disturbed areas will be recontoured to blend as nearly as possible with the surrounding area.

(✓) The stockpiled topsoil will be evenly distributed over the disturbed areas.

(✓) All disturbed areas will be scarified with the contour to a depth of 8-12 inches. Do not smooth pads out, leave a roughened surface.

(✓) Seed will be (broadcast/drilled) during the period of October to November as specified by the BLM authorized officer with the attached seed prescription. Seeding will be repeated until vegetation is successfully established. Seeding will be done in presence of the authorized officer.

() The following seed mix will be sown on the rehabilitated access route and location.

1bs/acre Indian ricegrass (Oryzopsis hymenoides)

1bs/acre Fourwing saltbush (Artiplex canescens)

1bs/acre Sand dropseed (Sporobolus cryptandrus)

1bs/acre Green ephedra (Ephedra viridis)

1bs/acre Cliffrose (Cowania mexicana)

1bs/acre Crested wheatgrass (Agropyron desertorum)

1bs/acre Western wheatgrass (Agropyron smithii)

1bs/acre Alkali sacaton (Sporobolus airoides)

1bs/acre Shadscale (Atriplesertifolia)

1bs/acre Curlygrass (Hilaria jamesii)

1bs/acre Globemallow (Sphaeralcea ambigua)

1bs/acre Desert bitterbrush (Purshia glandulosa)

1 lbs/acre Yellow sweet clover
____ lbs/acre _____
____ lbs/acre _____
____ lbs/acre _____

(NA) After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed area and walked down with a dozer. The access will be blocked to prevent any use/vehicle use.

Production

1. If well goes to production, the Holder shall submit a proposed operation and maintenance plan for the permanent road after consultation with the BLM Authorized Officer for applicable road standards.

2. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed in the methods described in the rehabilitation section. Adequate topsoil will be retained for final reclamation of the location. Any remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

3. All above-ground production facilities will be painted, with a flat, non-contrasting color harmonious with the adjacent landscape, subject to the approval of the authorized officer. _____

Attachments: _____

(Please Note-Numbered stipulations will apply to this location)

OPERATOR MJ HARVEY JR. DATE 11-28-83

WELL NAME HARVEY FED 31-1

SEC SW1/4 31 T 18S R 9E COUNTY EMERY

43-015-30183
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

MAP

HL

NLD

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

PROCESSING COMMENTS:

NEW OPERATOR
NO OIL WELLS WITHIN 1000'

DATE: 11-28-83
BY: [Signature]

I left a msg for Jerry Keeler (with his wife) that attention to water rights would be necessary prior to spacing.

CHIEF PETROLEUM ENGINEER REVIEW:

11/29/83

APPROVAL LETTER:

SPACING: A-3 _____ UNIT

c-3-a _____ CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

WATER

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *FED*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER NO

UNIT NO

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

VERIFY LEGAL AND SUFFICIENT DRILLING WATER

EA: _____
DATE: _____
OFFICE OF OIL AND MINING
OF THE DIVISION OF
APPROVED BY THE STATE

November 28, 1983

M. J. Harvey, Jr.
P. O. Box 12705
Dallas, Texas 75225

RE: Well No. Harvey Fed. 31-1
SWNE Sec. 31, T. 18S, R. 9E
1980' PNL, 2030' PBL
Emery County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-5(b), General Rules and Regulations and Rules of Practice and Procedure. Prior to spudding, a copy of the Utah Division of Water Rights (Phone No. 801-533-6071) approval for use or purchase of drilling water must be submitted to this office, otherwise this approval is void.

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

RONALD J. FIRTH - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

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

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

The API number assigned to this well is 43-015-30183.

Sincerely,


Norman C. Stout
Administrative Assistant

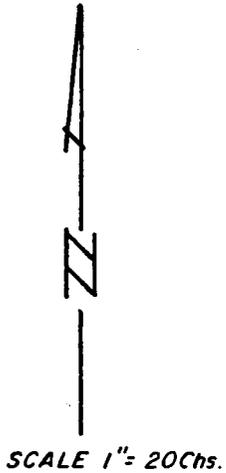
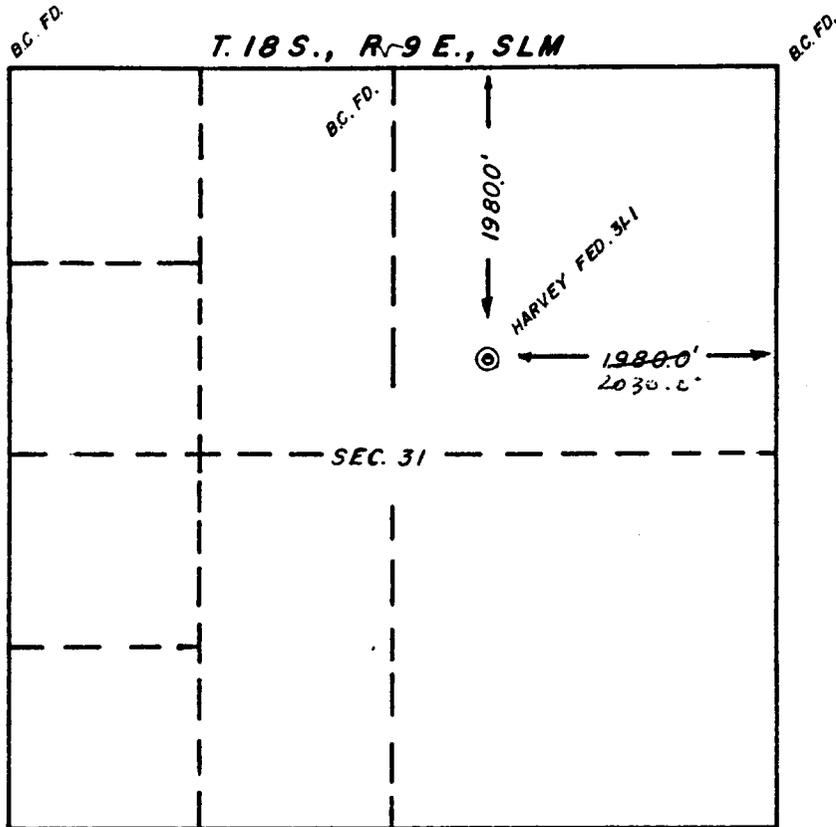
NCS/as
cc: Branch of Fluid Minerals
Encl.

LANE SURVEYS

FOR
— BOUNDARIES —
LEGAL DESCRIPTIONS
TOPOGRAPHIC SURVEYS
CONSTRUCTION SURVEYS

VERN E. LANE
PHONE 632-1457
RLS NO. 539 WYO.
MEMBER - ACSM

1739 NEWTON DRIVE
CHEYENNE, WYOMING 82001



ELEVATIONS
200' OFFSETS
NORTH 5730.4'
EAST 5750.3'
SOUTH 5768.3'
WEST 5742.7'

WELL HARVEY FED 31-1 FIELD 2030' WILDCAT
LOCATION 1980 ft. from N. Line and 1980 ft from E. Line
SECTION 31 TOWNSHIP 18 S RANGE 9 E., S.L.M.
ELEVATION 5755 ft. above mean sea level - natural ground
COUNTY EMORY STATE UTAH DATE November 9, 1984

CERTIFICATE OF SURVEYOR

I, JOHN A. STEIL, REGISTERED LAND SURVEYOR, STATE OF UTAH,
DO HEREBY CERTIFY THAT THE PLATTED LOCATION SHOWN ABOVE
CORRECTLY REPRESENTS A SURVEY MADE UNDER MY SUPERVISION
BY VERN E. LANE ON THE GROUND IS TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE.

John A. Steil, Utah LS 5294

UNZICKER & WELLS DRILLING Co., INC.

BOX 159

HANKSVILLE, UTAH 84734



RECEIVED

JUN 13 1984

WATER RIGHTS

June 11, 1984

Dorothy Bolton
State of Utah
Natural Resources
Water Rights
1636 W. No. Temple
Salt Lake City, Ut. 84116

This is to confirm our conversation of last week.

I will be purchasing the water from the Castledale Water Co.

Please send a confirmation of this to: State of Utah Natural
Resources, Oil & Gas
Rights

Well information: Well No. Harvey 31-1
SWNE Sec. 31 T18S, R 9E
1980' FNL 2030' FEL
Emery, County, Utah

RECEIVED

JUN 15 1984

DIVISION OF OIL
GAS & MINING

Yours truly,

Wm L. Wells

WLW/sw

RECEIVED

Jerry E. Keeler

BOX 927
NEWCASTLE, WYOMING 82701

JUL 9 1984

DIVISION OF OIL
GAS & MINING
307-746-9337

6/26/84

State of Utah,
Department of Natural Resources
Division of Oil & Gas, & Mining

RE: M.J. Harvey, Jr
Federal lease U-24222
SWNE Sec 31-T185-R9E
Harvey Fed. "31-1
Emery Co., Utah

Gentlemen,

Please find the attached completion
report, plugging report, and logs as sent
to BLM, also State of Utah form 06C-8-x.
Please notify either myself or M.J. Harvey, Jr.
if you need anything else.

Thank
Jerry Keeler

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

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.6

5. LEASE DESIGNATION AND SERIAL NO.

U-24222

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Harvey Federal

9. WELL NO.

#31-1

10. FIELD AND POOL, OR WILDCAT

wildcat

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

Sec. 31-T18S-R9E

12. COUNTY OR PARISH

Emery

13. STATE

Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR
M. J. Harvey, Jr.

3. ADDRESS OF OPERATOR
Box 12705 Dallas, Texas 75025

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1980' FNL & 2030' FEL (SWN)
At top prod. interval reported below
At total depth same

14. PERMIT NO. DATE ISSUED

43-015-30183 9 1984

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to produce) 18. ELEVATION (DP, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

6-12-84 6-13-84 P & A 6-13-84 5755' GR

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

200' NA NA XXX

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

Well Plugged and Abandon after logging No

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED

Gamma Ray, Density, Resistance and S.P. No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>6 5/8"</u>	<u>17.0#</u>	<u>60'</u>	<u>8 1/2"</u>	<u>9 SX</u>	<u>None</u>

29. LINER RECORD 30. TUBING RECORD

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

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>NA</u>	

33.* PRODUCTION

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

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
WELL PLUGGED ON 6-13-84 NO SHOWS

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

SIGNED Jerry Keeler TITLE Agent DATE 6-25-84

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

INSTRUCTIONS

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

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

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

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

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

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

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUS VERT. DEPTH
Ferron	surface	100'	sand and shale	Tununk	100'	No deviation surveys were run
Tununk	100'	200'	shale <u>No water or oil and gas shows</u>			

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

RECEIVED

JUL 9 1984

DIVISION OF OIL
GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Harvey Federal #31-1 43-015-30183
Operator M. J. Harvey, Jr. Address Box 12705 Dallas, Texas 75025
Contractor Unzicker & Wells Address Hanksville, Utah
Location SW 1/4 NE 1/4 Sec. 31 T. 18 S R. 9 E County Emery

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	NONE			
2.	<i>Talked to Larry Knight</i>		<i>Called Mr. Harvey 7/13/84</i>	
3.	<i>7/16/84 with</i>		<i>requesting spud</i>	
4.	<i>and in reports</i>		<i>notification</i>	
5.	<i>ASAP</i>		<i>Claudia</i>	

(Continue of reverse side if necessary)

Formation Tops
Ferron surface
Tununk 100'-200'

Remarks
TD 200'

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Abandon

2. NAME OF OPERATOR
M. J. Harvey, Jr.

3. ADDRESS OF OPERATOR
Box 12705 Dallas, Texas 75025

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1980' FNL & 2030' FEL (SWNE)
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: same

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

5. LEASE
U-24222

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Harvey Federal

9. WELL NO.
#31-1

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 31-T18S-R9E

12. COUNTY OR PARISH
Emery

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5755' GR

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input checked="" type="checkbox"/>
(other) <u>NIA & SRA</u>			

RECEIVED

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

JUL 9 1984

DIVISION OF OIL
GAS & MINING

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.)*

As per verbal approval from Bob Graff the subject well was plugged on 6-13-84 as follows:

200'-50' hole filled with surgel
50'-surface pumped 15 sx of Class G cement

Cemented a regulation dry hole marker in the 15 sx noted above. As of 6-22-84 the disturbed area has been rehabilitated and the location is ready for final inspection.

(Well spudded 6-12-84, set 60' of 6 5/8" surface pipe & cemented back to surface with 9 sx Class G, 6-13-84 drilled to Total Depth of 200', ran logs, plugged well as above)

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

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

SIGNED Jerry Keeler TITLE Agent DATE 6/25/84

(This space for Federal or State office use)

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

1625 BROADWAY
SUITE 1580
DENVER, COLORADO 80202
303-571-1601

Michael John Harvey, Jr.

P.O. Box 12705
DALLAS, TEXAS 75225
(214) 363-7380

1221 WEST COAST HIGHWAY
NEWPORT BEACH, CA 92663
(714) 645-5000

April 24, 1985

RECEIVED

State of Utah
Oil and Gas Natural Resources
355 W. North Temple
Three Triad Center - Suite 350
Salt Lake City, Utah 84180-1203

APR 26 1985

DIVISION OF OIL
GAS & MINING

Attention: Arlene Sollis

Re: Harvey Federal Well 31-1
Sec. 31, 18S-9E, U-24222
Emery County, Utah
M. J. Harvey, Jr. - Operator

Gentlemen:

Attached are duplicate copies of Gamma Ray, S.P.,
Resistance and Density logs run in above-captioned
well.

Very truly yours,

M.J. Harvey, Jr.
M. J. Harvey, Jr.
by Gene Morris *m*

cc: Well file
Lease file
Jerry Keeler, Box 927
Newcastle, Wyo. 82701