Form 9-331 C
(May 1963)

SUBMIT IN TI ICATE*
(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

5. LEASE DESIGNATION AND SERIAL NO.: U- 29795

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: Great Bluff

8. FARM OR LEASE NAME: Federal

9. WELL NO.: 1-28

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 28 - T40S - R21E

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: TRANS-WESTERN PETROLEUM, INC.

3. ADDRESS OF OPERATOR: c/o P & M PETROLEUM MANAGEMENT
1600 Broadway, Suite 1700, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 1410' FNL & 1880' FEL (SW¼NE¼)
At proposed prod. zone: Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Three Miles West of Bluff, Utah (21 miles by road)

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 1410'

16. NO. OF ACRES IN LEASE: 1,760 ±

17. NO. OF ACRES ASSIGNED TO THIS WELL: 80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: None

19. PROPOSED DEPTH: 5200'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 4896' G.L.

22. APPROX. DATE WORK WILL START*: May 15, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17½"	13-3/8"	32.75 lb.	80'	80 Sx
12¼	8-5/8"	24.00 lb.	500'	200 Sx
7-7/8"	5½"	14 & 15.5 lb.	5200'	150 Sx
-or-				
7-7/8"	4½"	10.50 lb.	5200'	150 Sx

1. The well will be spudded in the Bluff Sandstone.

2. The estimated tops of important geological formations are as follows:

Chinle	1460'	Ismay	5310'
Shinarump	2200'	Lower Ismay	5430'
Moenkopi	2250'	"C" Shale	5475'
Cutler	2490'	Desert Creek	5490'
Hermosa	4425'	Total Depth	5650'

(Continued)

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 Robert W. Peterson TITLE Petroleum Engineer DATE 4/23/81

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY S/ Scott L. Ellis for TITLE District Engineer DATE 8/19/81

CONDITIONS OF APPROVAL, IF ANY:

STIPULATIONS ATTACHED

APPROVAL VALID FOR A PERIOD NOT TO EXCEED 1 YEAR.

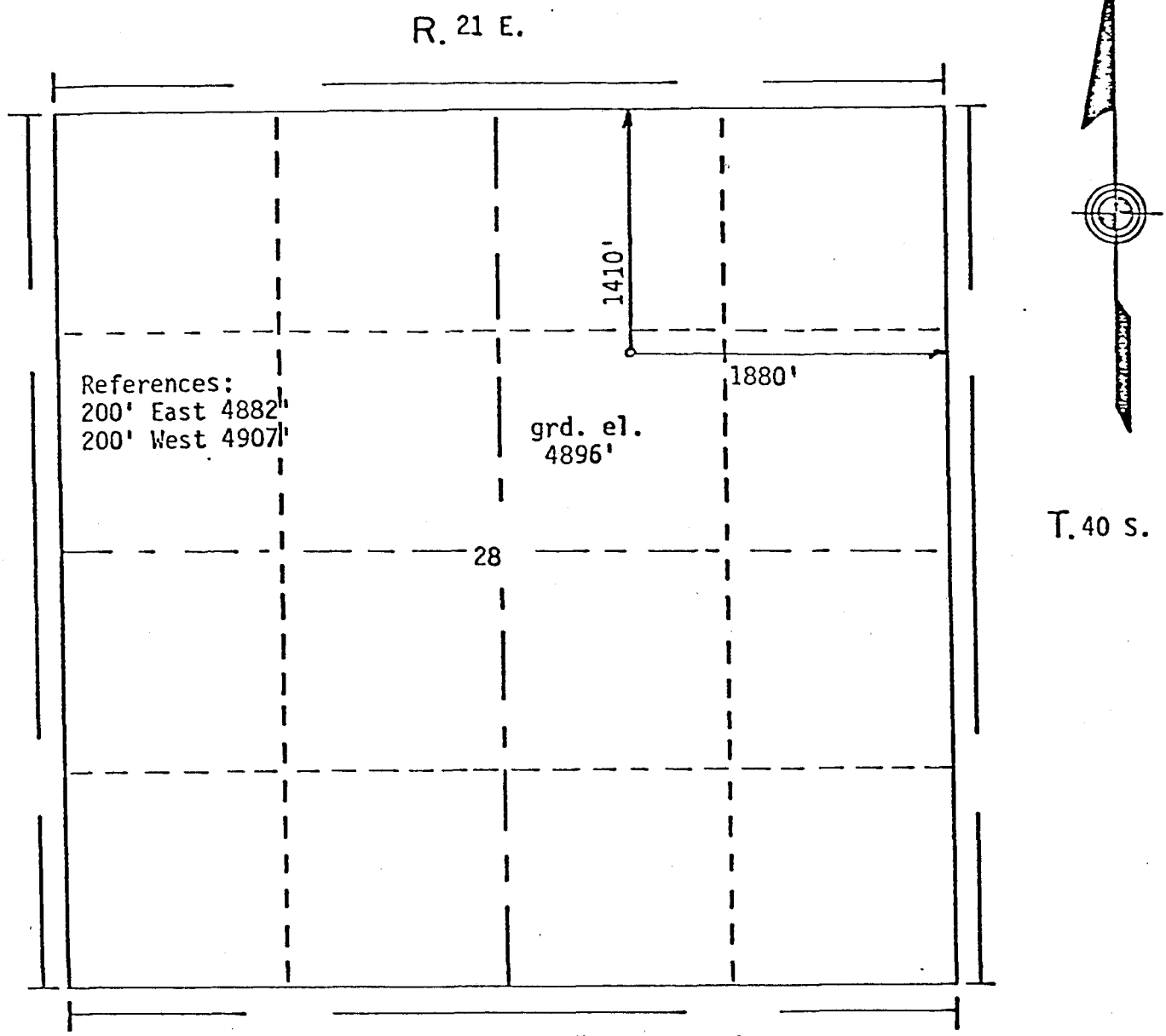
DURANGO OFFICE COPY

*See Instructions On Reverse Side

"APPROVAL SUBJECT TO ... WHILE DRILLING AND TESTING."

FORM F-106

EXHIBIT "B"



Scale··· 1" = 1000'

Powers Elevation of Denver, Colorado
has in accordance with a request from Bob Peterson
for Trans-western Petroleum, Inc.
determined the location of #1-28 Federal
to be 1410'FNL & 1880'FEL Section 28 Township 40 South
Range 21 East Salt Lake Meridian
San Juan County, Utah

I hereby certify that this plat is an
accurate representation of a correct
survey showing the location of
#1-28 Federal

Date: 7 April '81

Licensed Land Surveyor No. 2711
State of Utah

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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1600 Broadway, Suite 1700, Denver, CO 80202

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RECEIVED
APR 29 1981
U. S. GEOLOGICAL SURVEY
DENVER, COLO.

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24.
SIGNED Robert W. Peterson TITLE Petroleum Engineer DATE 4/23/81

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

P&M PETROLEUM MANAGEMENT
SUITE 1705 · 1600 BROADWAY · DENVER · COLORADO 80202 · PHONE (303) 861 2470

March 14, 1981

U.S. Geological Survey
701 Camino Del Rio
Durango, CO 81301

RE: #1-28 Federal Proposed Well Location
SW¼NE¼ 28-40S-21E
San Juan County, Utah

Gentlemen:

Trans-Western Petroleum, Inc. requests permission to stake a well location at the above referenced location in San Juan County, Utah. We would like to have your permission as soon as possible as we hope to Drill the well mid-summer if we can get approval to do so.

Please let us know if you have any questions or need further information regarding this request. I have enclosed a portion of a topographical map which has the location spotted thereon.

Thank you.

Very truly yours,

Robert W. Peterson

Robert W. Peterson

KLM

Attachment

cc: Bureau of Land Management
Monticello, Utah

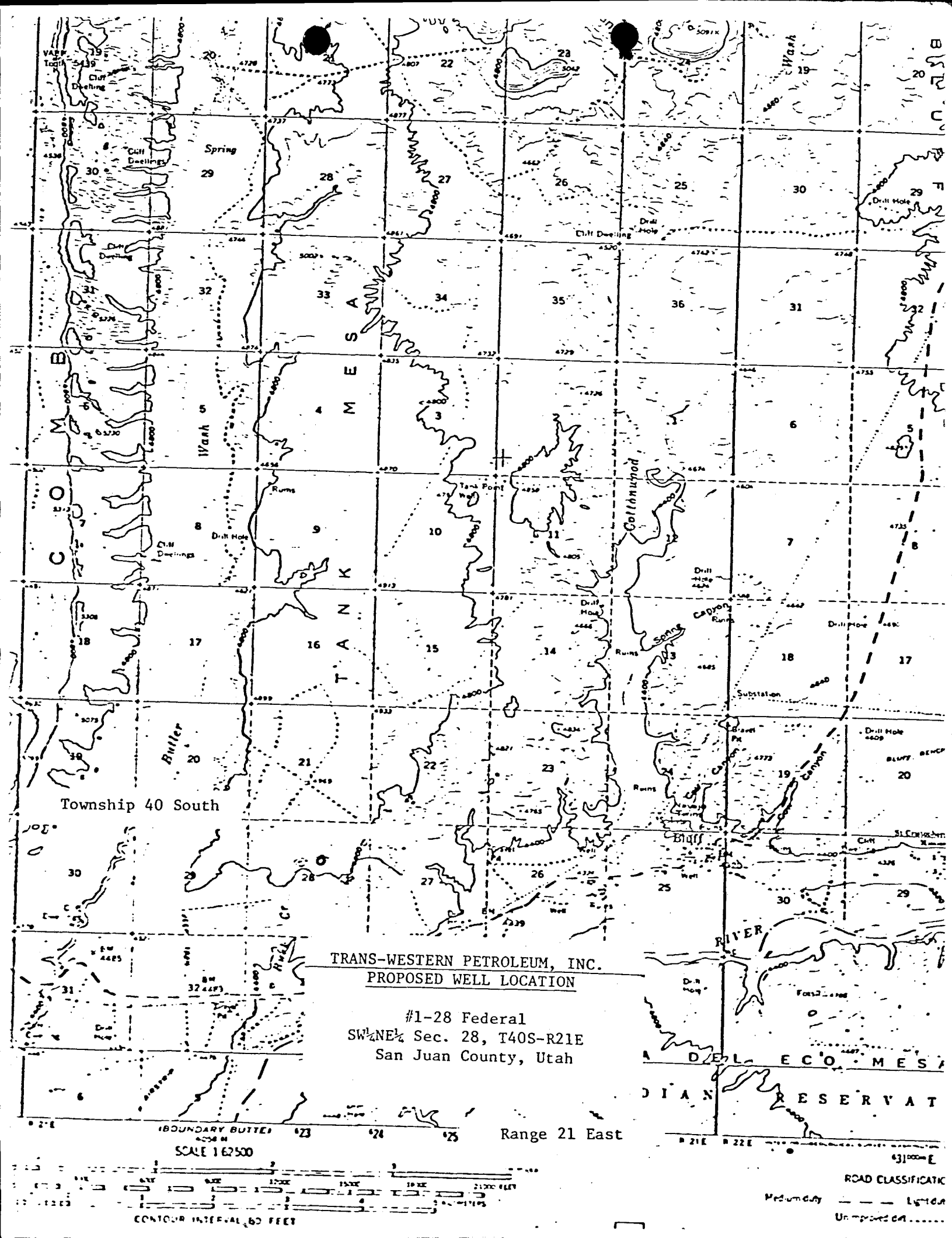
SUBJECT TO APPROVAL
OF BLM

ACCEPTED FOR RECORD

MAR 13 '81

Durango DISTRICT
BY Chas A. Rennard

BLM surface
U-29795
Map Posted
3-18-81 DEC



TRANS-WESTERN PETROLEUM, INC.
PROPOSED WELL LOCATION

#1-28 Federal
SW¼NE¼ Sec. 28, T40S-R21E
San Juan County, Utah

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

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24.

SIGNED Robert W. Peterson TITLE Petroleum Engineer DATE 4/23/81

(This space for Federal or State office use)

GEOLOGICAL SURVEY

PERMIT NO.

RESOURCE EVALUATION

APPROVED BY TITLE DATE MAY 4 - 1981

CONDITIONS OF APPROVAL, IF ANY:

SALT LAKE CITY, UTAH
MINERAL EVALUATION

COPY

*See Instructions On Reverse Side

3. Proposed Casing Program:

A. Conductor Pipe: 80', 13-3/8", 32.75 lb., K-55, 8 rd.th., ST&C New Casing.

B. Surface Casing: Approximately 500' of 8-5/8", 24 lb., K-55, ST&C, 8 rd. th., New Casing will be run and cemented to surface.

C. Production Casing: 5½", 14 lb. and 15.5 lb., K-55, ST&C, 8 rd.th., New casing, or 4½", 10.5 lb., K-55, LT&C, 8 rd.th., New casing will be run and cemented.

4. Estimated depths of anticipated water, oil or gas zones:

A. Navajo Sand	500'	Fresh Water
B. Lower Ismay	5430'	Oil
C. Desert Creek	5490'	Oil

5. The casinghead will be a flanged 13-3/8" x 10", 900 Series, 3000 psi working pressure type. The blowout preventer will be a 10", 900 Series, 3000 psi working pressure type with 4½" pipe rams and blind rams with a remote hydraulic closing unit. The blowout preventer arrangement will include a kill line and choke manifold as shown in Exhibit "G" in the schematic diagram. The BOP will be tested to 1000 psi prior to drilling out the cement plug in the surface casing and once during each tour.

6. Clear water with drilling detergent will be used for a circulating medium to about 1500' depth. The well will then be mudded up properly before drilling the Shinarump formation. The mud will be a fresh water gel chemical type mud. The mud weight will be maintained at about 9.5 lbs./gal., viscosity 35 to 45 sec./qt., and water loss about 12 cc lowered to 8 to 10 cc before drilling the Lower Ismay formation.

7. The following auxillary drilling equipment will be utilized or available:

A. Kelly Cock
B. Float valve above bit
C. A 3000-psi W.P. full opening valve will be screwed into a 4½" drillpipe sub to be used as a stabbing valve.
D. No mud monitoring equipment will be used.

8. No cores are planned on this well. Lower Ismay and Desert Creek porosity with oil shows will be drillstem tested. An Induction Electric log will be run from total depth to the base of any casing. A Borehole Compensated Sonic-Gamma Ray Caliper log will be run over any indicated porosity zones with oil shows.

9. No abnormal pressures or temperatures are encountered in the immediate area. The pressure gradient in the Lower Ismay and Desert Creek porosity zones are about 0.388 psi/ft. depth. No hydrogen sulfide has been encountered in the Ismay, Desert Creek or shallower zones in this immediate area.

10. The perforations in either the Ismay or Desert Creek formations will be acidized unless an adequate flow of hydrocarbons into the wellbore is obtained by per-

forating only. The acid treatments should not be over 500 gallons of acid per foot of perforations. Normal treating pressures are anticipated. If flammable liquids are used to treat the well, the pumping equipment will be at least 120 feet from the wellhead and the pumping equipment at least 120 feet from the storage tanks.

11. It is planned to spud this well in May of 1980, but this is contingent on rig availability.

TRANS-WESTERN PETROLEUM, INC.

1-28 FEDERAL

SW¼NE¼ (1410' FNL & 1880' FEL) Section 28, T40S-R21E
San Juan County, Utah

NTL-6 MULTIPOINT REQUIREMENTS

SURFACE USE PLAN

1. Existing Roads

A portion of a U.S. Geological Survey topographical map is attached as Exhibit "A" showing existing roads in the area.

A. The location plat is attached hereto as Exhibit "B" which shows the location as staked. The well will be drilled in the SE¼NE¼ (1410' FNL & 1880' FEL) of Section 28, Township 40 South, Range 21 East, San Juan County, Utah.

B. To reach the location by road, drive seven miles north of Bluff, Utah on Utah State Highway 47. Turn west on top of a hill and travel west seven miles on a bladed road until you pass an abandoned well on the north side of the road (which will be the water source). After traveling another 0.7 mile southwest, you will reach a "Y" in the road; take the branch to the left. Proceed 4.1 miles southwest and the bladed road ends with steel water tanks to the left for cattle watering, and a dry dammed reservoir on the right. Proceed south on trail for 1.3 miles at which point the trail goes southeast for 0.6 miles, then southwest for 0.4 miles. The location stake is on the right side at this point. As the surface is very sandy, the road should not need any improvement except slight blading of the trail for drilling the well. The existing bladed road should not need any maintenance except for blading in case of wet weather.

C. The access road from the existing Utah State Highway No. 47 is shown in red on Exhibit "A". The location is 14.1 miles from the Utah State Highway No. 47.

D. All existing roads within a two-mile radius are shown on the attached Exhibit "A".

E. Slight improvements are planned for the existing access trail for drilling of the well. The existing trail goes directly to the location pad. As the surface is very sandy, the road should not need any improvements except slight blading of the trail. The existing bladed trail should not need maintenance except blading in case of wet weather.

2. Planned Access Road

A. A trail presently exists which goes to the proposed location. No roadwork will be necessary to drill the well except for blading. If the well is successful, it may be necessary to blade the road up approximately 18 inches, and approximately 20' wide. It will probably be necessary to water the trail if the weather is extremely dry while drilling the well because the surface is very fine blow sand.

B. The maximum grade will be approximately three percent.

C. No turnouts will be necessary.

D. No drainage will be necessary other than the barrow pits created by blading the road if the well is successful.

E. No culverts or major cuts or fills will be necessary.

F. No road surfacing materials will be required.

G. No gates, cattleguards, or fence cuts will be required.

H. It will not be necessary to build an access road so no flagging will be necessary.

3. Location of Existing Wells (Exhibit "C")

For all existing wells within a two-mile radius of the proposed well:

A. There are no water wells within a two-mile radius of the proposed well.

B. There are two plugged and abandoned wells within a two-mile radius of the location, located in : 1) SE¼SE¼ Sec. 27; and 2) NE¼SE¼ Sec. 23, T40S-R21E, San Juan County, Utah.

C. There are no temporarily abandoned wells within a two-mile radius of the well.

D. There are no disposal wells within a two-mile radius of the well.

E. There are no wells presently being drilled within a two-mile radius of this proposed location.

F. There are no producing wells located within a two-mile radius of the proposed well.

G. There are no shut-in wells located within a two-mile radius of the proposed location.

H. There are no injection wells located within a two-mile radius of the proposed well.

I. There are no monitoring or observation wells for other uses located within a two-mile radius of the proposed location.

4. Location of Existing and/or Proposed Facilities

A. Within a two-mile radius of the proposed location, the following existing facilities are owned or controlled by lessee/operator:

1) Tank Batteries: None

2) Production Facilities: None

3) Oil Gathering Lines: None

4) Gas Gathering Lines: None

5) Injection Lines: None

6) Disposal Lines: None

B. If production is obtained, new facilities will be as follows:

A pumping unit, engine, flowline, and tank battery will be required. The layout of the proposed production facilities is attached hereto as Exhibit "F".

1) The tank battery will consist of two or three 400-barrel welded tanks and possibly a water disposal tank. A 6' x 20' heater treater will also be required.

2) Exhibit "D" shows the location and dimensions of the proposed facilities.

3) The oil and gas flow line will be a steel line wrapped with a plastic protective coating buried three feet deep. When the pumping unit is installed, it will be installed on a gravel pad with a wide base.

4) A production pit will be dug at the tank battery to handle produced water. The pumping unit will have guard-rails installed around the crank weights and belt guards will be installed over the V-belts from the engine to the pumping unit.

C. Plan for Rehabilitation of Disburbed Areas no Longer needed for Operations:

The reserve pit will be backfilled and recontoured to the original contour as closely as practical and the topsoil replaced. If the well is plugged and abandoned, the location will be leveled and the topsoil replaced. All foreign material will be buried

in the reserve pit.

The topsoil will be reseeded in a native grass seed mixture recommended by the Bureau of Land Management. The reseeding will be done at the appropriate time of year so that seeds will germinate properly. The same procedure will be followed for the location pad and access road if the well is plugged and abandoned.

5. Location and Type of Water Supply

The drilling water will be hauled by truck from a water source approximately 7.5 miles northeast of the proposed wellsite. The water well is located in the SE¼SW¼ Section 23, T39S-R21E right on the bladed trail toward Utah State Highway No. 47.

6. Source of Construction Materials

The only construction materials necessary will be gravel purchased from and hauled in by a commercial source for a wide-based pumping unit.

7. Method of Handling Waste Disposal

A. Cuttings: Drill cuttings will be contained in the reserve pit.

B. Drilling fluids: Drilling fluids will be contained in steel mud tanks and the reserve pit. The reserve pit will be fenced if it cannot be backfilled immediately after the well is drilled.

C. Any produced oil will be contained in steel swab or test tanks. Produced water, if any, will be contained in the production pit after the well is completed and in swab tanks or the reserve pit until the well is completed and the battery is installed.

D. Sewage will be disposed of in the reserve pit or sanitary holes.

E. Garbage and waste material will be contained in the trash pit to be dug by a backhoe. The trash pit will be fenced with a mesh fence.

F. The wellsite will be policed of all foreign material after the drilling and completion rigs are moved off. All trash will be burned or buried. The reserve pit will be backfilled and reseeded.

8. Ancillary Facilities

Not applicable

9. Wellsite Layout

A. See attached Exhibit "D" for cuts and fills in the drillsite location.

B. The layout of the rig is shown on Exhibit "E".

C. The rig orientation, parking areas, and entrance of access road are shown on Exhibit "E".

D. The reserve pit will not be lined.

E. The location of the production facilities is shown on Exhibit "F".

10. Plans for Restoration of Surface

A. The reserve pit will be backfilled and re-contoured to the original contour as closely as practical and the topsoil replaced. The location will be leveled and the topsoil replaced. All foreign material will be buried in the reserve pit.

B. The topsoil will be replaced and reseeded to native grasses according to the Bureau of Land Management's specifications on all the unused portions of the location and all of the reserve pit.

C. The reserve pit will be fenced on three sides while the well is being drilled and fenced on the fourth side as soon as the rig is moved off location. The reserve pit will be backfilled as soon as the ground and reserve pit have dried up enough.

D. If any oil is left on the reserve pit, it will be removed or the pit flagged.

E. The reserve pit will backfilled as described in C. above. The location will be leveled as soon as the rig moves off if the well is plugged and abandoned or after production operations are suspended if the well is a producer. The topsoil will be replaced and the location reseeded when the weather is suitable and the location has been restored.

F. The well is planned to be drilled during May or June of 1981, depending of rig availability. The rehabilitation operations should be completed this fall.

11. Other Information

A. The location in the center of the SW¼NE¼ Section 28 was located in the middle of a sandstone outcrop of the Bluff Sandstone. It would be impractical to build the location there due to difficulty of building the location and also because we would prefer not to tear the sandstone apart and the location was too close to the edge of the mesa.

The staked alternate location which was moved 100' east and 570' north is located in some sand dunes. The surface is sandy and the location will need to be watered down and packed. The topsoil (sand) will be stockpiled on the west side of the location. The

surface of this location is approximately 60 percent bare, 25 percent Marsipan Tea, 8 percent black sage brush, 6 percent clump grass and 1 percent yucca.

B. The surface is very arid and the only thing the land could be used for is sheep or cattle grazing. At this particular location the surface is practically all fine blow sand and sand rock. The surface is owned by the Federal Government.

C. No occupied buildings, historical sites, cultural sites or archeological sites are evident from inspecting this location or the access roads which are presently built.

12. Lessee's or Operator's Representatives

The Operator's field representative who will be responsible for compliance with the Surface Use and Operations Plan is Robert W. Peterson. Mr. Peterson can be reached by telephone at (303) 861-2470. If Mr. Peterson cannot be reached, Mr. John Steele will be responsible for compliance. Mr. Steele can be reached by telephone at (303) 355-1422.

13. 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 statements made in this plan are, to the best of my knowledge, true and correct; that the work associated with the operations proposed herein will be performed by P & M Petroleum Management, and P & M Petroleum Management's contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Dated: April 24, 1981

Robert W. Peterson

Robert W. Peterson,
Petroleum Engineer

RWP:klm

Attachments

Supplement to Application for Permit to Drill
and NTL-6 - Surface Use Plan

TRANS-WESTERN PETROLEUM, INC.
1-28Federal
SW¼ NE¼ Section 28, T40S-R21E
San Juan County, Utah

1) Amendments to Application for Permit to Drill, Fm.9-331C:

A) No. 23. Intermediate casing shall be amended to read 12-1/4" hole, 8-5/8", 24 lb., K-55, ST&C,8 rd. th. new casing cemented at 1500' w/600 sacks of cement. All other aspects of No. 23 shall remain unchanged.

B) No. 11. The planned commencement date for this well shall be changed from May, 1980 to June, 1980.

2) Amendments to NTL-6, Surface Use Plan

A) No. 2 Planned Access Road. If the well is succesful, it will be necessary to blade the road up approximately 18 inches, and approximately 16' (we originally stated 20') wide. The total surface affected for the access road, including the crown, will be approximately an 18' width.

B) No. 5 Location and Type of Water Supply. Line 4 shall be amended to read "... right on the county road toward Utah State Highway No.47."

C) No. 7. Method of Handling Waste Disposal. Item B, line 3 shall be amended to read "... fenced on three sides while drilling and on the fourth side as soon as the rig is moved off location. The reserve pit will be back-filled when it has dried up. The reserve pit will be plastic-lined if the base is rocky or mixed with aqua-gel if the base is sandy."

D) No. 10. Plans for Restoration of Surface. Item B, line 1 shall be changed to read "... to native grasses consisting of 2 lbs/acre Indian Rice grass, 2 lbs/acre Fourwing Saltgrass, and 2 lbs/acre Green Ephedra."

Item F, line 1 shall be amended to read "... to be drilled during June or July of 1981, depending ..."

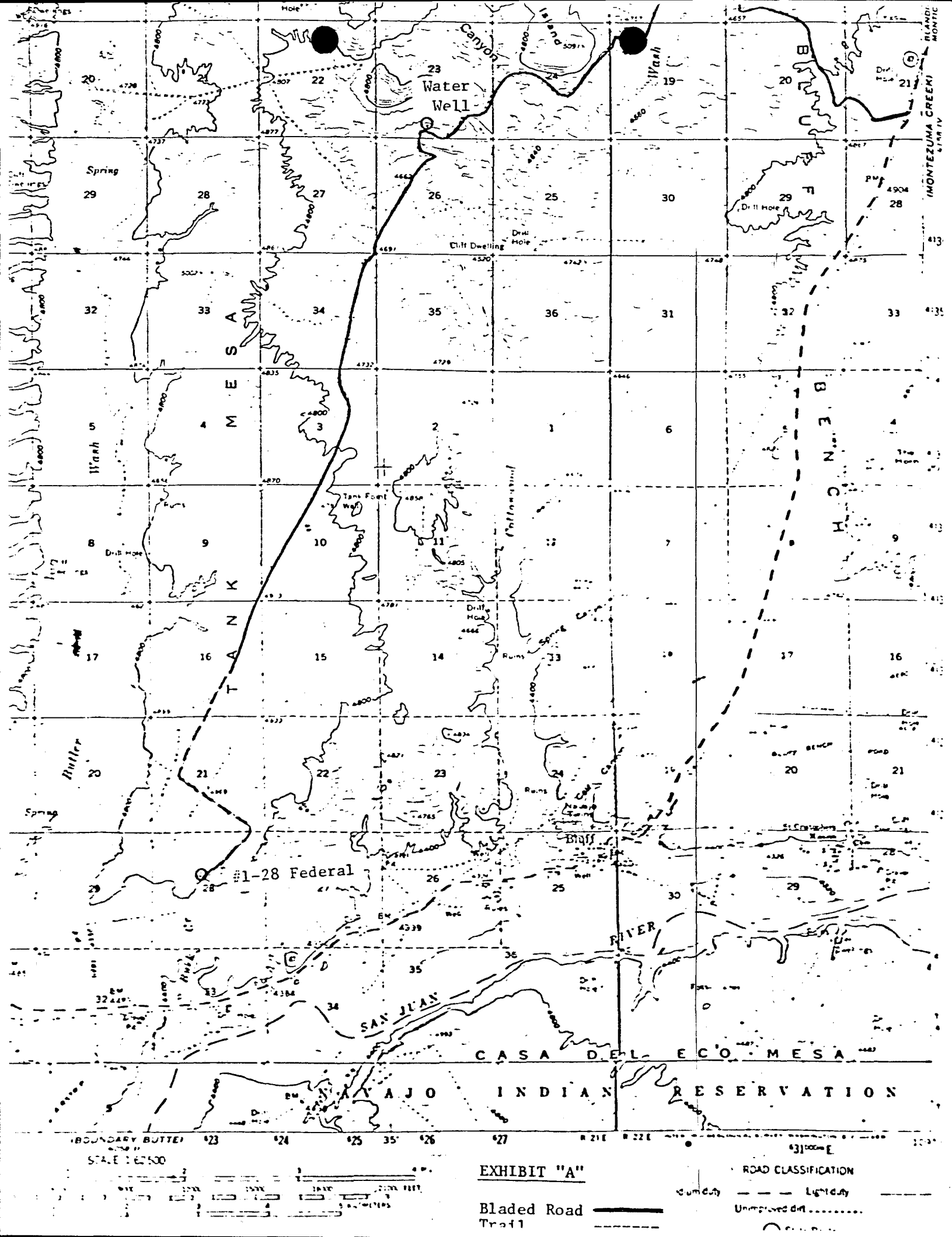
E) No. 11. Other Information. Item A, Paragraph 2, line 5 shall be changed to read "... approximately 60 percent bare, 25 percent Mormon Tea, 8 percent ..."

All other items shall remain unchanged in both the application for Permit to Drill and the NTL-6, Surface Use Plan.

P & M Petroleum Management

By Robert W. Peterson
Robert W. Peterson

RWP:km:bk
5-22-81


Water Well
#1-28 Federal
Bluff
SAN JUAN RIVER
CASA DEL ECO MESA
NAVAJO INDIAN RESERVATION
(BOUNDARY BUTTE)
(MONTEZUMA CREEK)
Cliff Dwelling
Drill Hole
Spring
Wash
Canyon
Island
Butler
Tank Front Well
Ruins
R 21 E
R 22 E
EXHIBIT "A"
Bladed Road
Trail
ROAD CLASSIFICATION
Light duty
Unimproved dirt

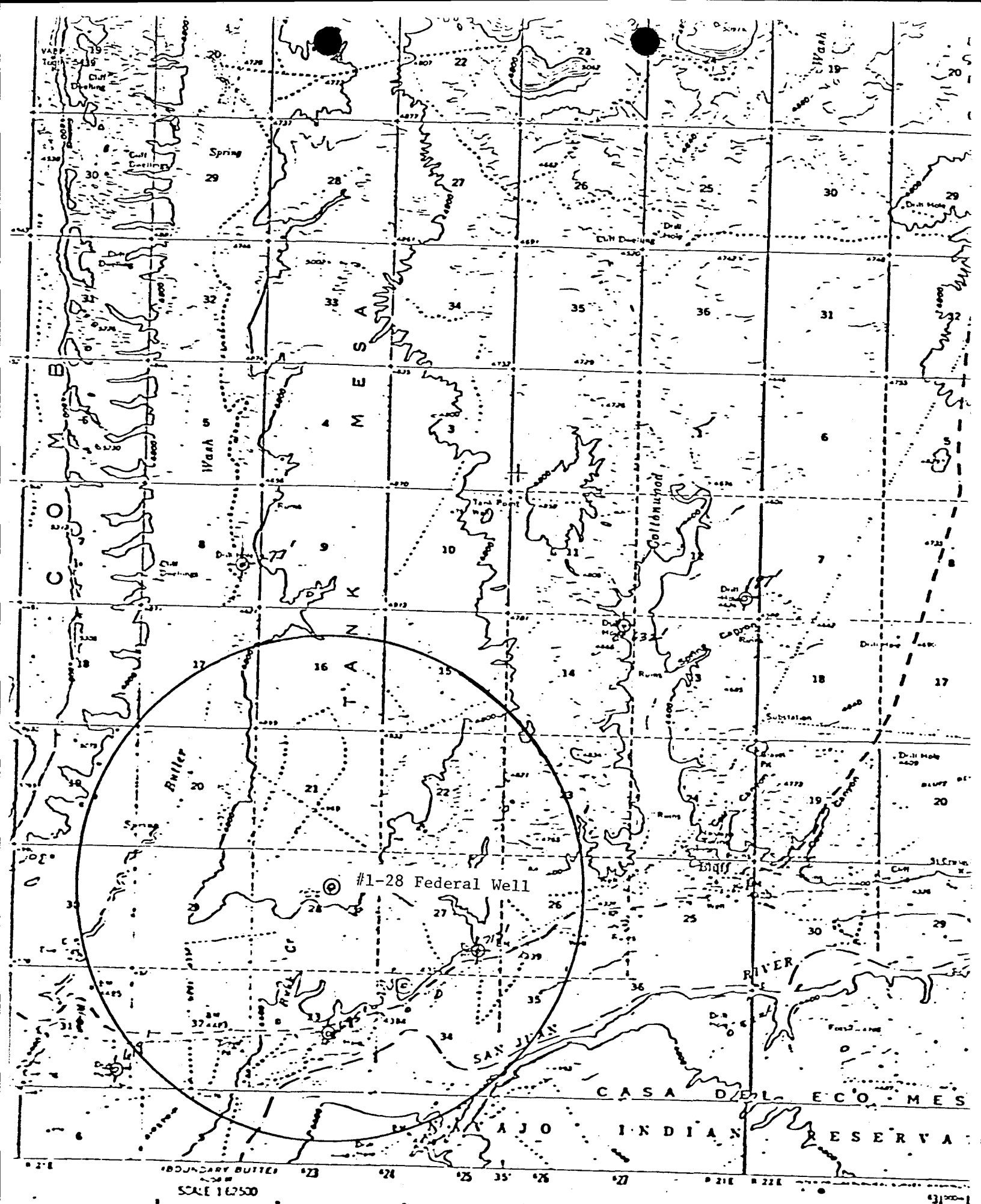

#1-28 Federal Well
SAN JUAN
RIVER
CASA DEL ECO MES
NAVAJO INDIAN RESERVA
Spring
Wash
Collinwood
Bluff
Substation
Cliff Dwelling
Drill Hole
Ruins
Tank Farm
Boundary Butte
SCALE 1:62500

EXHIBIT "C"

No. 1-28 Federal
Proposed Well

POWERS ELEVATION

OIL WELL ELEVATIONS AND LOCATIO
CHERRY CREEK PLAZA, SUITE 1201
600 SOUTH CHERRY STREET
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

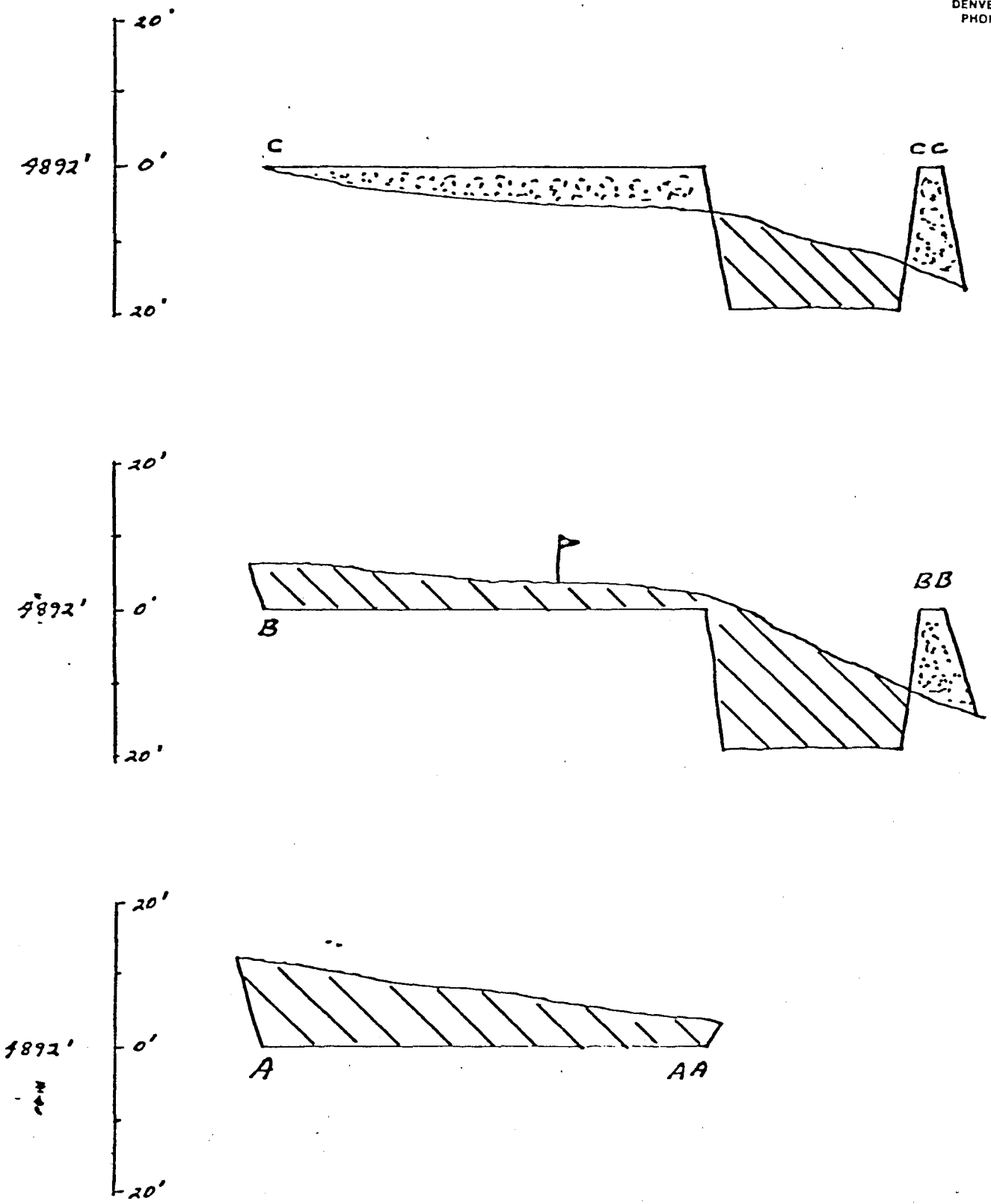


EXHIBIT "D"

#1-28 Federal Location

POWERS ELEVATION

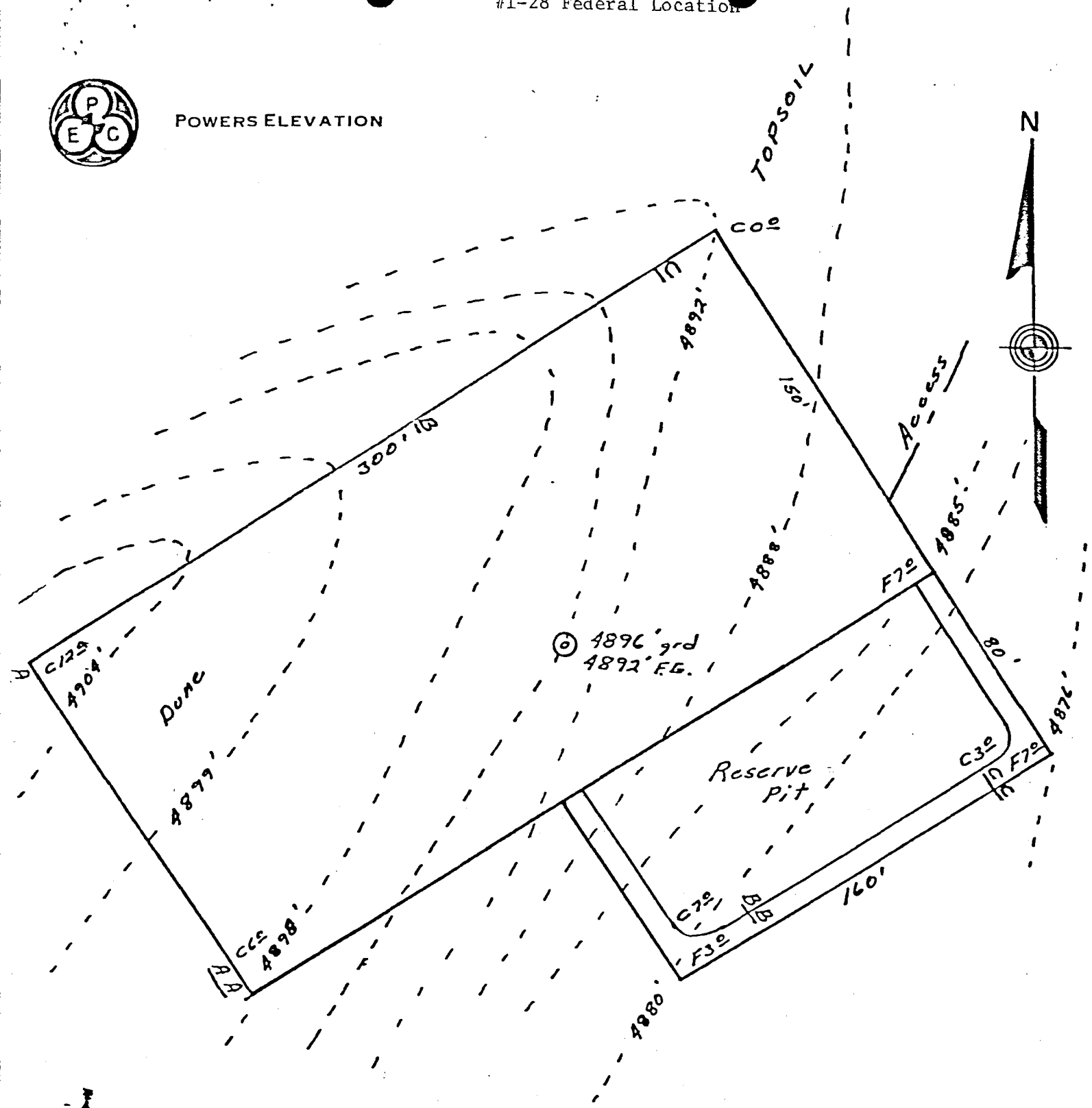


EXHIBIT "D_1"

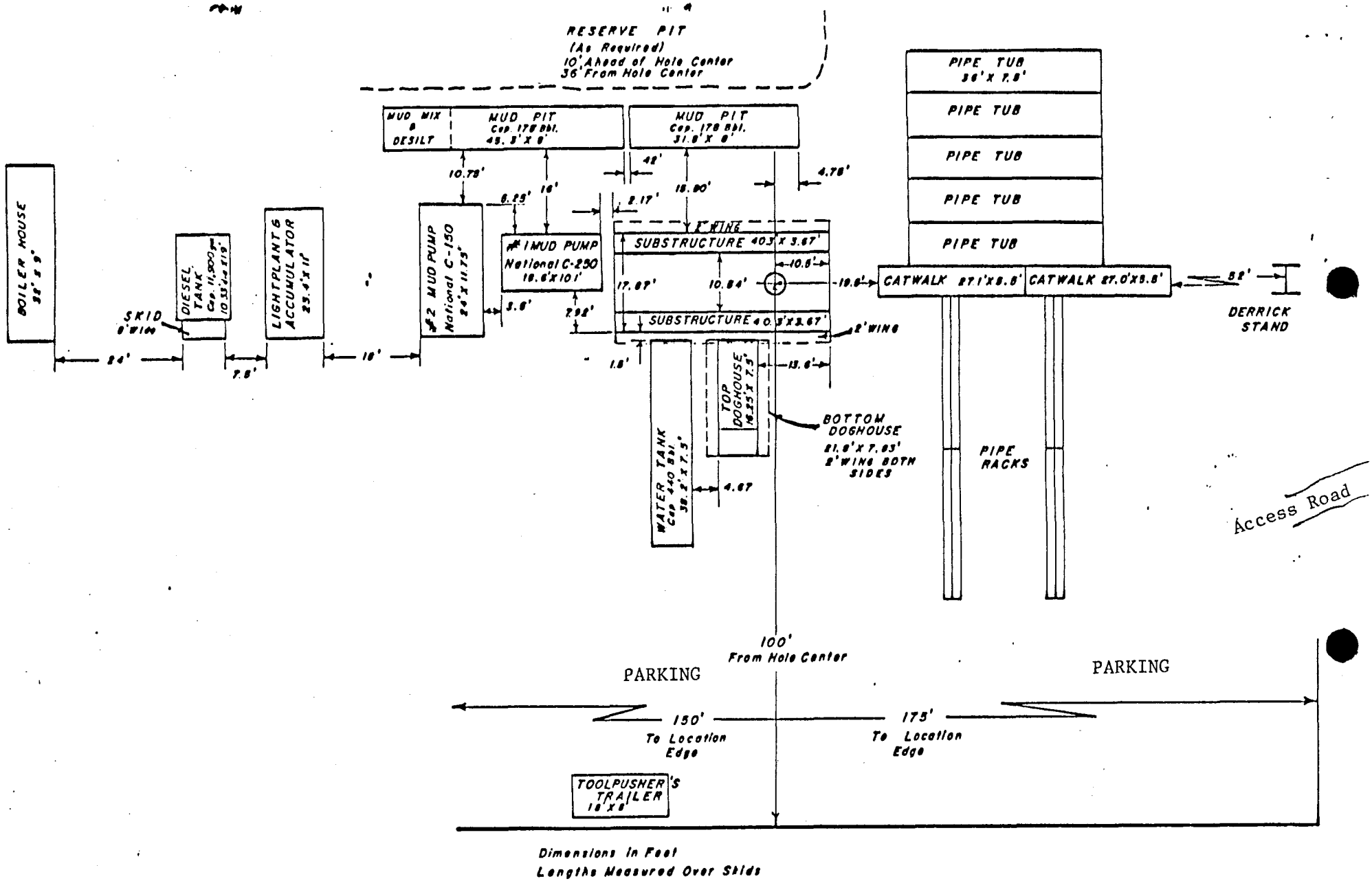
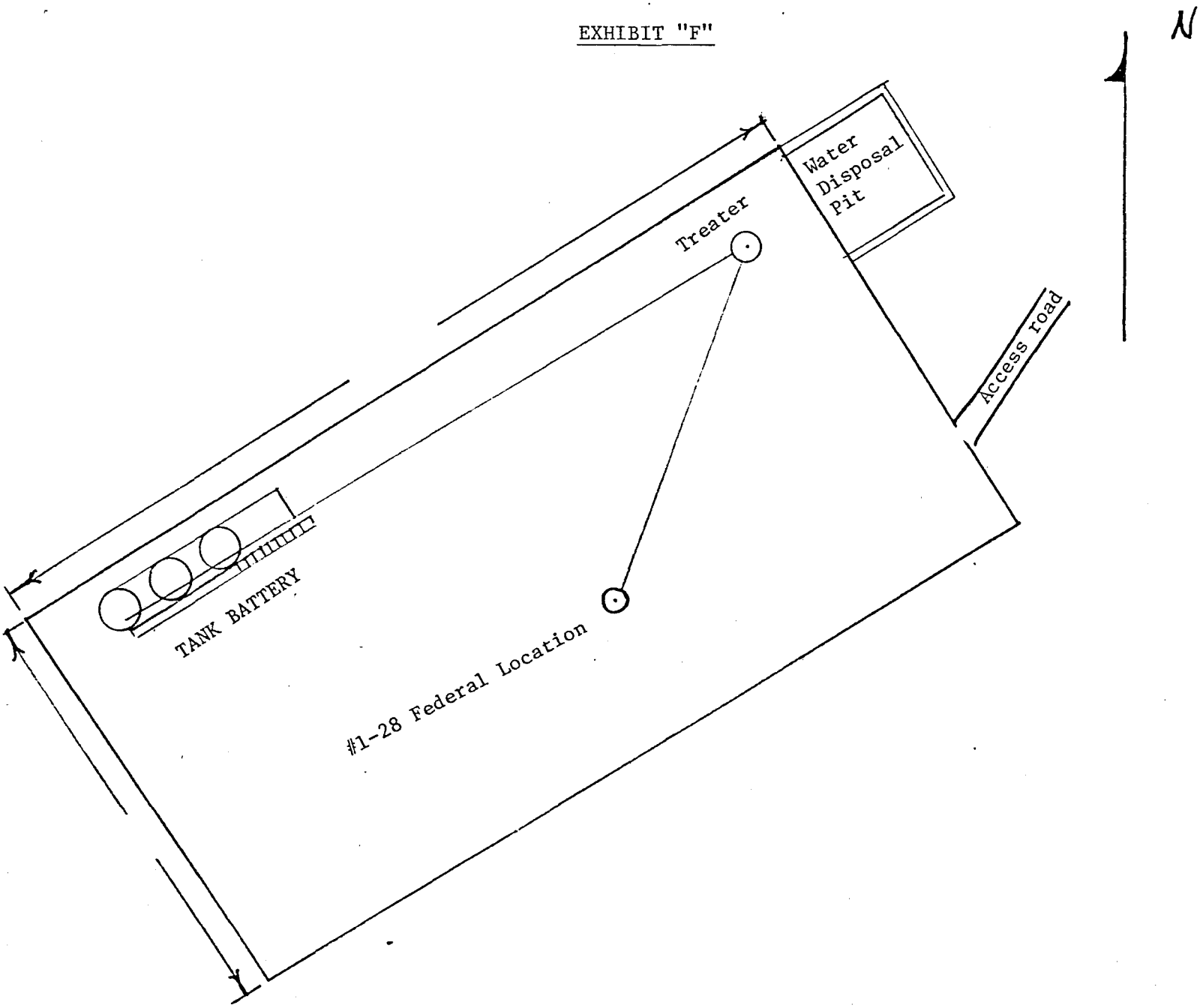

RESERVE PIT
(As Required)
10' Ahead of Hole Center
36' From Hole Center
MUD MIX & DESILT
MUD PIT
Cap. 178 Bbl.
49.3' X 8'
MUD PIT
Cap. 178 Bbl.
31.8' X 8'
BOILER HOUSE
26' X 8'
DIESEL TANK
SKID 8' WING
LIGHTPLANT & ACCUMULATOR
23.4' X 11'
#2 MUD PUMP
National C-150
#1 MUD PUMP
National C-250
SUBSTRUCTURE 40.3' X 3.67'
2' WING
SUBSTRUCTURE 40.3' X 3.67'
2' WING
WATER TANK
Cap. 440 Bbl.
TOP DOGHOUSE
BOTTOM DOGHOUSE
21.8' X 7.83'
2' WING BOTH SIDES
PIPE TUB
36' X 7.8'
PIPE TUB
PIPE TUB
PIPE TUB
PIPE TUB
CATWALK 27.1' X 8.8'
CATWALK 27.0' X 8.8'
DERRICK STAND
PIPE RACKS
Access Road
100'
From Hole Center
PARKING
PARKING
150'
To Location Edge
175'
To Location Edge
TOOLPUSHER'S TRAILER
Dimensions In Feet
Lengths Measured Over Skids

EXHIBIT "E"

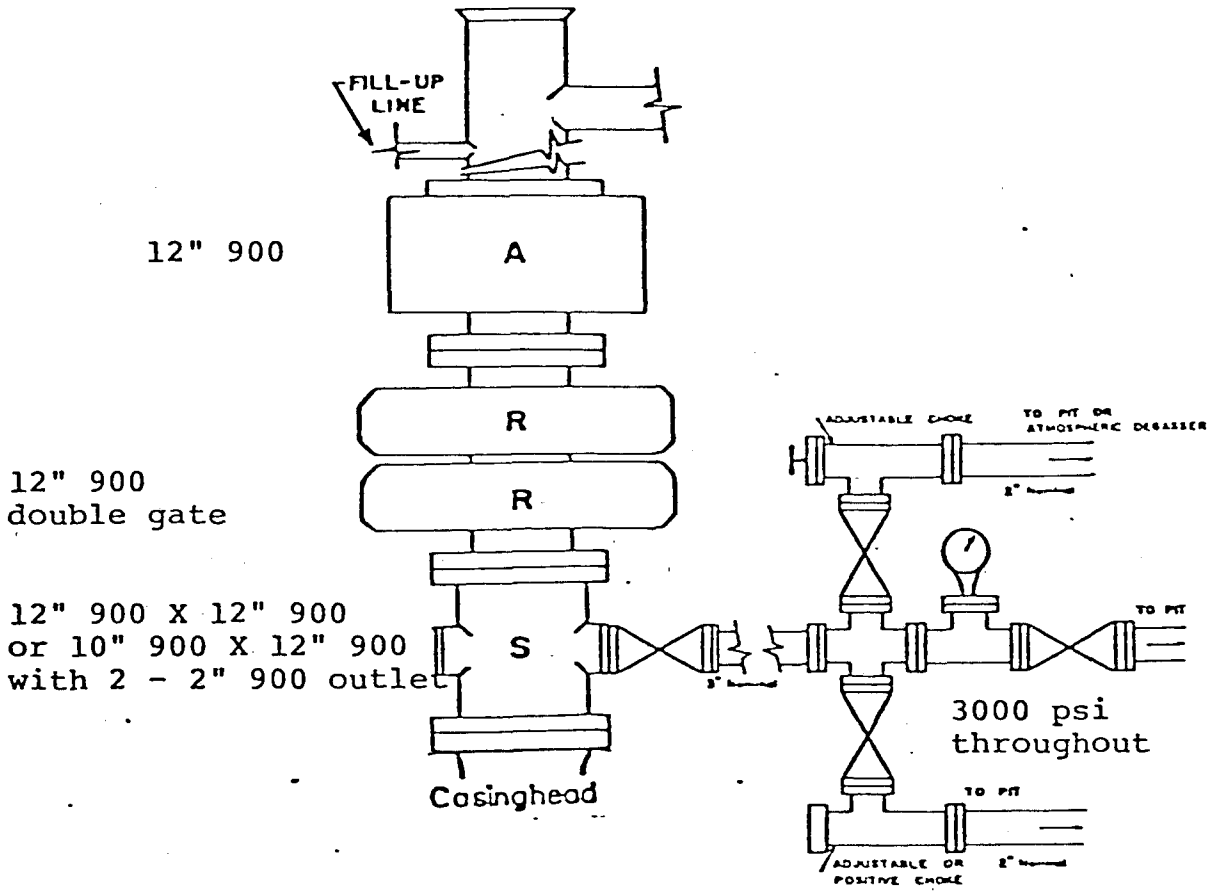
#1-28 FEDERAL
PRODUCTION FACILITIES

EXHIBIT "F"



Scale: 1" = 50'

EXHIBIT "G"


FILL-UP LINE
12" 900
A
R
R
12" 900
double gate
12" 900 X 12" 900
or 10" 900 X 12" 900
with 2 - 2" 900 outlet
S
Casinghead
ADJUSTABLE CHOKE
TO PIT OR ATMOSPHERIC DEGASSER
TO PIT
3000 psi
throughout
TO PIT
ADJUSTABLE OR POSITIVE CHOKE

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R142

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 [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Trans-Western Petroleum, Inc.

3. ADDRESS OF OPERATOR: c/o P & M Petroleum Management
1600 Broadway, Suite 1700, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1410' FNL & 1880' FEL (SW¼ NE¼)

5. LEASE DESIGNATION AND SERIAL NO.: U-29795

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: West Bluff

8. FARM OR LEASE NAME: Federal

9. WELL NO.: 1-28

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 28-T40S-R21E

12. COUNTY OR PARISH: San Juan

13. STATE: Utah

14. PERMIT NO.: N/A

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4896' G.L.

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[X]	(Other)			[ ]
(Other)				(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

As requested, the 8-5/8" surface casing will either be run to 1500' and cemented to surface or the 8-5/8" surface casing will be run to 500' and cemented to the surface. If production casing is run it will be cemented from 1500' to surface through a stage collar.

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

SIGNED R W Peterson Jr. TITLE Petroleum Engineer DATE 5/5/81

(This space for Federal or State office use)

APPROVED BY S/Scott L. Ellis For TITLE District Engineer DATE 8/19/81

CONDITIONS OF APPROVAL, IF ANY:

DURANGO OFFICE COPY

*See Instructions on Reverse Side

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

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

SUBJECT: APD MINERAL EVALUATION REPORT LEASE NO. U29795

OPERATOR: Trans-Western Petroleum Inc WELL NO. 1-28

LOCATION: ___ ¼ SW¼ NE¼ sec. 28, T. 40S, R. 21E, SLM

San Juan County, Utah

---

1. Stratigraphy:

San Rafael Grp. - Surf. Cutler Fm. 2490'
Bluff SS. - Surf. (4896' GL) Hermosa Grp. 4425'
Glen Canyon Grp. 500' Paradox Fm. 5310'
Chinle Fm 1460' TD 5650' in Paradox
Moenkopi Fm 2250'

2. Fresh Water:

Fresh to useable water may occur in sandstone down to Hermosa Grp.

3. Leasable Minerals:

—

4. Additional Logs Needed:

none

5. Potential Geologic Hazards:

None known

6. References and Remarks:

WRD rpt. Four Corners G.S. 1958-1960 Guidebook
USGS I-629

Signature: Grant L. Brown Date: 5-7-81

Date 5/11/81

Memorandum

To: District Oil and Gas Engineer, ~~Mr. Edward Guynn~~ Durango, Colo.

From: Mining, Supervisor, Mr. Jackson W. Moffitt

Subject: Application for Permit to Drill (form 9-331c) Federal oil and gas lease No. U-29795 Well No. 1-28

1. The location appears potentially valuable for:

   [ ] strip mining*

   [ ] underground mining**

   [x] has no known potential.

2. The proposed area is

   [ ] under a Federal lease for _____ under the jurisdiction of this office.

   [x] not under a Federal lease under the jurisdiction of this office.

3. [ ] Please request the operator to furnish resistivity, density, Gamma-Ray, or other appropriate electric logs covering all formations containing potentially valuable minerals subject to the Mineral Leasing Act of 1920. This log should be submitted to and maintained by the District Oil and Gas Supervisor.

*If location has strip mining potential:

Surface casing should be set to at least 50 feet below the lowest strip minable zone at _____ and cemented to surface. Upon abandonment, a 300-foot cement plug should be set immediately below the base of the minable zone.

**If location has underground mining potential:

The minable zones should be isolated with cement from a point 100 feet below the formation to 100 feet above the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000 feet has been deemed the lowest limit for cementing.

Signed Allen J Vance

P&M PETROLEUM MANAGEMENT
SUITE 1705 · 1600 BROADWAY · DENVER · COLORADO 80202 · PHONE (303) 861 2470

April 24, 1981

U.S. Geological Survey
701 Camino Del Rio
Durango, Colorado 81301

RE: Proposed Well Location
No. 1-28 Federal
SW¼NE¼ (1410' FNL & 1880' FWL)
Section 28, T40S-R21E
San Juan County, Utah

Gentlemen:

Attached in triplicate please find our Application for Permit to Drill the subject proposed well. The NTL-6 Surface Use Plan with exhibits attached thereto are included with each Application.

As you will notice, we would very much like to have approval so that as soon as the rig is available, we will be able to go ahead with the drilling of the well; hopefully mid or late May, 1981.

Please let us know if you have any questions or need further information in order to approve the drilling of the well.

Thank you.

Very truly yours,

Robert W Peterson/pru

Robert W. Peterson

KLM

Attachments

P&M PETROLEUM MANAGEMENT
SUITE 1700 • 1600 BROADWAY • DENVER • COLORADO 80202 • PHONE (303) 861-2470

May 18, 1981

U.S. Geological Survey
701 Camino Del Rio
Durango, Colorado 81301

RE: 1-28 Federal Proposed Well
SW¼ NE¼ 28-40S-21E
San Juan County, Utah

Gentlemen:

Attached in triplicate please find our Amended Application for Permit to Drill and Sundry Notice which was intended to amend the casing program for the well.

On these two items originally submitted for approval, the locations (No. 4) were incorrectly stated to read "1410' FNL & 1880' FWL (SW¼ NE¼)". On the enclosed Amended forms, we have corrected the location to read "1410' FNL & 1880' FEL (SW¼ NE¼). All other details on the forms remain unchanged.

I am sorry for this inconvenience.

Please advise if you require further information.

Very truly yours,

R.W. Peterson/KM

Robert W. Peterson

KLM:vs

Enclosures

P&M PETROLEUM MANAGEMENT
SUITE 1700 • 1600 BROADWAY • DENVER • COLORADO 80202 • PHONE (303) 861-2470

May 22, 1981

U. S. Geological Survey
701 Camino Del Rio
Durango, Colorado 81301

RE: 1-28 Federal Proposed Well
SW¼ NE¼ 28-40S-21E
San Juan County, Utah

Gentlemen:

Pursuant to the May 15, 1981 on-site inspection of the proposed location referenced above, please find enclosed four copies of a supplement to our Application for Permit to Drill and NTL-6 Surface Use Plan. Please attach this to our original application and NTL-6 as it outlines all items which were changed in accordance with the parties present at the inspection.

Please advise if you have questions or desire information.

Very truly yours,

Robert W. Peterson

Robert W. Peterson

KLM:bk
enclosure
cc: Trans-Western Petroleum, Inc. (with enclosure)
1615 California
Denver, CO 80202

P. O. Box 3524
Durango, Colorado 81301

August 18, 1981

Trans-Western Petroleum, Inc.
c/o P&M Petroleum Management
1600 Broadway, Suite 1700
Denver, Colorado 80202

Re: U-29795
No. 1-28 Federal West Bluff Unit
SWNE 28-40S-21E, SLM
San Juan County, Utah

Gentlemen:

By telephone August 18, 1981, Mr. McCord of your office advised that a drilling rig may not be available and that it may be necessary to commence drilling operations at the end of this month with a spudder. The spudder would drill and set conductor pipe, and a drilling rig capable of drilling to total depth would move in at a later date.

This is to advise that you will be granted sixty days suspension of drilling operations from August 31, 1981, or from the release of the spudder, which ever is later, until you need to commence drilling operations with the larger drilling rig. Extension of the sixty day suspension period will require that you furnish this office copies of letters from several drilling contractors to your company stating they are unable to provide a rig at this time and stating the date that they expect to have a rig available. Terms of the extension will require that you use the first available rig.

Suspension of drilling operations will hold in abeyance determination of lease extension by diligent drilling operations.

Sincerely yours,

(Orig. Sgd.) C. A. BARRICK
for John L. Price
District Oil and Gas Supervisor

cc: DCM Denver
Well file
Unit file
Chrono file

CABarrick/ds

USGS SLC

Trans-Western Petroleum, Inc
No. 1-28 West Bluff Unit
SW NE 28-40S-21 E SLM (U-29795)
San Juan County, Utah

U-16030
U-16030-A

U-16278
U-16278-A
U-16278-B

Spudded 8-31-81 w/ spudder

letter 8-18-81 advised 60 days susp
to get larger rig

10-8-81 MIRT Coleman #3

10-10-81 4:30 Am Started ⌀ w/ Coleman
10-12-81 ⌀ 950'

Carl H Barnes
Durango

AMENDMENTS TO SURFACE USE PLAN
and
RECLAMATION PROCEDURES

Lease No.: U-29795

Operator: Transwestern Pet. Inc.

Well Name: Federal 1-28

Well Location: T. 40 S., R. 21 E., Sec. 28

Pre-drill Inspection Date: 5-15-81

Participants: Reed Wilson - BLM

Bob Peterson - Transwestern

Terry Galloway - USGS

Perry McDonald - Dirt Contractor

Construction:

1. The operator or his contractor will contact the San Juan Resource Area Office in Monticello, Utah (Phone (801) 587-2201) 48 hours prior to beginning any work on public land.

2. The dirt contractor will be furnished with a copy of the Surface Use Plan and any additional BLM stipulations prior to any work.

3. The San Juan County Road Department in Monticello will be contacted prior to the use of county roads for this activity, Mr. Dick Traister at (801) 587-2249.

4. 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 agency or individual holding the water right.

5. If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the San Juan 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 if they are caught disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will only be done if damage occurs.

6. Improvement to existing access (will) be necessary and will be limited to a total disturbed width of 16 feet. New construction will be limited to a total disturbed width of 16 feet. Road surface will be flat bladed to remove brush, no ditching or water bars or culverts will be installed.

Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

Surfacing material will not be placed on the access road or location without prior BLM approval.

7. The top 12 inches of soil material will be removed from the location and stockpiled separate from the trees on the S.E. side of the location. Topsoil along the access will be reserved in place.

8. A trash pit will be constructed near the mud tanks with steep sides and dug at least six feet into solid undisturbed material. It will be totally enclosed with a fine mesh wire before the rig moves onto the location.

9. The reserve pit (will) be lined with commercial or plastic sufficient to prevent seepage. Keyway. Will be constructed if change of formation is encountered.

10. Three sides of the reserve pit will be fenced with four strands of barbed wire 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.

11. A burning permit will be required before burning trash between May 1 and October 31. This can be aquired by contacting the State Fire Warden, John Baker at (801) 587-2705.

Rehabilitation

1. Immediately on completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the trash pit. Non-burnable debris will be hauled to a local town dump site.

2. The operator or his contractor will contact the San Juan Resource Area BLM office in Monticello, Utah, phone (801) 587-2201, 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.

3. Before any dirt work to restore the location takes place, the reserve pit must be completely dry and any trash it contains must be removed from public lands.

4. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography.

5. The stockpiled topsoil will be evenly distributed over the disturbed area.

6. All disturbed areas will be scarified with the contour to a depth of 4 inches.

7. Seed will be (broadcast) at a time to be specified by the BLM with the following seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover.

2	lbs/acre	Indian ricegrass (Oryzopsis hymenoides)
2	lbs/acre	Fourwing saltbush (Atriplex canescens)
2	lbs/acre	Sand dropseed (Sporobolus cryptandrus)
	lbs/acre	Green ephedra (Ephedra viridis)
	lbs/acre	Cliffrose (Cowania mexicana)
	lbs/acre	Crested wheatgrass (Agropyron desertorum)
	lbs/acre	Western wheatgrass (Agropyron smithii)
	lbs/acre	Alkali sacaton (Sporobolus airodies)
	lbs/acre	Rubber rabbitbrush (Chrysothamnus nauseosus)
	lbs/acre	
	lbs/acre	
	lbs/acre	

8. After seeding is complete the stockpiled trees will be scattered evenly over the disturbed areas and walked down with a dozer. The access will be blocked to prevent future use. No trees onsite.

9. Water bars will be constructed as directed by BLM to control erosion.

Production

1. 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. Enough topsoil will be retained to reclaim the remainder of the location at a future date. The remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

2. All above-ground production facilities will be painted a neutral color to be approved by the BLM.

3. The access shall be upgraded to the following specifications:

   Crown and ditch a total width of 18 feet.

IN REPLY REFER T

United States Department of the Interior

T40SR21E Sec. 28
(U-069)

BUREAU OF LAND MANAGEMENT

Moab District
San Juan Resource Area
P. O. Box 7
Monticello, Utah 84535

May 18, 1981

Memorandum

To : John L. Price, District Oil and Gas Supervisor, USGS, Durango, CO

From : Area Manager, San Juan

Subject: APD Review, Transwestern Petroleum Inc., Federal 1-28, U-29795

Our recommendation for approval of the subject well is contingent upon adoption of the attached stipulations which serve as a modification of or amendment to the Surface Use and Operating Plan.

Edward R. Scherick

Enclosure

cc: Perry McDonald

CONSERVE AMERICA'S ENERGY

Save Energy and You Serve America!

LEASE NO. 1-28 ~ Federal
28 - 40S - 21E

UNIT OR FARM

OPERATOR TRANSWESTERN

DATE 8-31-81 BY DEE

① 7:10 P.M. Met 2 rig hands - one water truck - 2 drillers outboun for dinner in Bluff. Driller said they were down to 70' deep - will set conductor and cement in morning.
SPUDDED AT 1:00 P.M. TODAY

② 7:15 P.M. Small truck mounted rig over hole. 6' high 6" diameter collar set. 2 joints of 40' long 1.2" diameter on location.

③ Radio Report said flash flood alert in effect for San Juan

STATUS SHEET

OPERATOR Trans-Western PEtroleum Inc. WELL #1-28 Federal

LEASE U-29795 (1720 acres) LOCATION 1410/N & 1880/~~W~~ E 28-40S-21E

ENVIR. INSP. 5-15-81 BY DEE

SURFACE AGENCY BLM Monticello REQ. (date) 5-1 REPLY(date) 5/26/81

BME REQUEST (date) 4/29/81 REPLY (date) 5-11

~~STA~~ LER DRAFTED BY DEE (date) 5-18-81 TYPED

CORRES. REQ. 4/29/81 REC'D 6-5-81

LEGAL OK 8-13-81 CHECKED BY OAD 6-30-81

OR

LEGAL NEEDS/REMARKS 1 copy sent ARD. Called P&M 4/30/81 + Need ARD 8/4/81 + signature same Del

Lease: Getty Oil Company 50% NW Bond

Donald R. [illegible] 25% SW Bond

Joan Chaney 25% SW Bond

Oil Plan + BOP Rec'd 5-7 surf csg @ est 1500'

12 pt + Cont ✓

Bob Peterson advised

8-17-81 Telephone w/ Harry Engle Unit approved 8-13-81. Lease U.29795 fully Committed

8-17-81 Oral approval for Test work to Don McCord Copy sent to Jerry McDonald

CER Number D-169-81

United States Department of the Interior
Geological Survey

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name: Trans-Western Petroleum, Inc./1-28 Federal
Project Type: single zone oil exploration well
Project Location: 1410'FNL/1880'FEL, sec. 28, T. 40S., R. 21E. San Juan County, Utah
Lease Number: U-29795
Date Project Submitted: August 13, 1981

FIELD INSPECTION

Date: May 15, 1981

Field Inspection Participants:
Bob Peterson - Trans-Western Petroleum, Inc.
Dean McClellan - McDonald Construction Co.
Greg Seward - Archaeologist,
Bob Wright - Dirt Contractor
Reed Wilson - Bureau of Land Management

CATEGORICAL EXCLUSION REVIEW INOFORMATION SOURCE

Criteria 516 DM 2.3.A.	Federal or State Agency: Correspondence	Federal or State Agency: Phone Calls	Federal or State Agency: Meetings	Local and Private Correspondence	Previous NEPA documents	Other Studies and Reports	Staff Expertise	Onsite Inspection (date)	Other
1. Public health and Safety						✓1	✓		
2. Unique Characteristics							✓		
3. Environmentally Controversial							✓		
4. Uncertain and Unknown Risks						✓1	✓		
5. Establishes Precedent						✓1	✓		
6. Cumulatively Significant							✓		
7. National Register Historic Places	✓2								
8. Endangered or Threatened Species	✓2								
9. Violate Federal, State, Local or Tribal Laws						✓1	✓		

May 18, 1981/D.E.E.
Date Prepared

Signature of Preparer

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.

8/19/81
Date

John L. Price
District Supervisor

U.S.G.S. SCOUT SHEET - FOUR CORNERS AREA

'Desert Creek 5200'

TOPS	LOG
	Surface
Ojo Alamo	
Kirtland	
Fruitland	
P.C.	
Lewis	
M.V.	
C.H.	
Menefee	
P.L.	
Mancos	
Gallup	
Sanastee	
Gr. Horn	
Graneros	
Dakota	
Morrison	
Todilto	
Entrada	
Carmel	
Navajo	
Kayenta	
Wingate	
Chinle	
Shinarump	
Moenkopi	
Cutler	
De Chelly	
L. Rock	
C. Mesa	
Rico	
Hermosa	
Paradox	

Operator Trans-Western Petroleum, Inc. West Bluff Unit

Well No. 1-28 Farm Federal

Loc. 1410 N/~~S~~ 1880 ~~E~~/W Sec. 28 T. 40 S. R. 21 E., SW ¼ NE ¼

County San Juan State Utah Field Wildcat

Elevation 4896' gl Contr.

Lease No. U-29795 Exp. Date 6/1/85

App. Spud 9-31-81 H.S.

Map 1st Prod. Disc. IWR

Casing:

4/29/81	
8-31-81	Insp DEE @ 70' Drip run Conductor
10-27-81	Oral to Abandon

8-31-8

U-29795

TRANS-WESTERN PETROLEUM, INC.

Federal #1-28
Section 28, T40S - R21E
San Juan County, Utah

ORIGINAL FORWARDED TO DENVER

CONTENTS

SUMMARY	1
FORMATION TOPS	3
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SUMMARY

WELL NAME:	Trans-Western Petroleum, Inc. Federal #1-28
WELL LOCATION:	SW$\frac{1}{4}$ NE$\frac{1}{4}$ Section 28, T40S - R21E (1410 feet F.N.L. & 1880 feet F.E.L.) San Juan County, Utah
TYPE:	Wildcat
ELEVATION:	4896 feet - Ground 4907 feet - Kelly Bushing
TOTAL DEPTH:	5831 feet - Driller 5834 feet - Schlumberger
GEOLOGIST:	Achille Vitali, Jr. 6670 West 28th Avenue Denver, Colorado 80214
CONTRACTOR:	Coleman Drilling Company Farmington, New Mexico Rig #3 - Ideco Rambler Pump #1 - Ideco W-600 Pump #2 - Emsco D-300 Tool Pusher - Glen Storie
DRILLING FOREMAN:	John Steele (P. & M. Petroleum Management)
COMMENCED:	Spudded - 5:30 PM - October 10, 1981
COMPLETED:	Finished Drilling - 6:00 PM - October 26, 1981 Logged with Schlumberger - October 27, 1981 Plugged and Abandoned - October 27 & 28, 1981

CASING RECORD:

Surface Casing

Landed 38 joints of 24#, 8 5/8 inch casing at 1550 feet kb. The casing was cemented with 750 sacks of Howco Lite containing 3% calcium chloride, 10.5# Gilsonite and 1/2# Flocel per sack and was followed by an additional 200 sacks of class 'B' type cement containing 3% calcium chloride, 6 1/4# Flocel and 6# of Gilsonite per sack. Had good returns at surface.

LOGGING RECORD:

Samples

Caught	1550' - 5831'
Described	4300' - 5831'

Mud Log

Smith Mud Logging Delta, Colorado Logger - Tim Pietsch	4000' - 5831'

Mechanical Logs

Schlumberger

Dual Induction - S.F.L. Log	1530' - 5828'
Compensated Neutron Formation Density Log	3791' - 5831'

FORMATION TOPS

FORMATION AND AGE	SAMPLE TOPS	LOG TOPS	DATUM
Triassic			
Chinle	- -	In Chinle below surface casing	- -
Permian			
DeChelly	- -	2620'	+2287'
Cutler	- -	2680'	+2227'
Pennsylvanian			
Honaker Trail Formation	4520'	4510'	+ 397'
Paradox Formation	- -	5280'	- 373'
Upper Ismay Member	5450'	5448'	- 541'
Lower Ismay Member	5540'	5534'	- 627'
Desert Creek Member	5640'	5636'	- 729'
Akah Member	5800'	5801'	- 894'

DRILL STEM TESTS

No Drill Stem Tests were run in this hole.

BIT RECORD

NO	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS	PUMP PRESS.
1	12 1/4	Sec.	S4J	1070'	976'	31 1/4	1100#
2	12 1/4	Smith	DG-J	1560'	490'		1150#
3	7 7/8	Reed	H551-J	2808'	1248'	33 1/4	1700#
4	7 7/8	Smith	F3-J	4702'	1894'	122 3/4	1600#
5	7 7/8	Smith	F3-J	5756'	1052'	94 1/2	1700#
6	7 7/8	Smith	F3-J	5831'	75'	6 1/2	1700#

DEVIATION RECORD

DEPTH	DEVIATION
2040'	1 3/4°
2678'	1 1/2°
2808'	1 1/4°
3300'	1 1/2°
3818'	3/4°
4556'	1 1/2°
4681'	1 1/4°
5392'	1/2°
5731'	1 1/4°

PLUGGING PROGRAM

Permission to plug and abandon this hole was obtained from Mr. Carl Barrick of the U.S.G.S. Durango, Colorado office at 9:00 AM on October 27, 1981.

Depth	Sacks of Cement
5800' - 5500'	86 sacks + 10% excess
4600' - 4500'	25 sacks + 10% excess
2750' - 2600'	43 sacks + 10% excess
1600' - 1500'	29 sacks + 10% excess
50' - surface	15 sacks + 10% excess

Welded 1/4 inch steel plate across 8 5/8 inch surface casing.

CHRONOLOGICAL SUMMARY

October 8 - 9	Moved in and rigged up.
October 10	Finished rigging up. Spudded at 5:30 PM. Drilling surface hole.
October 11 - 12	Drilling surface hole.
October 13	Finished drilling surface hole. Ran and cemented surface casing. Nippled up.
October 14	Finished nippling up. Drilled out at 11:45 AM. Drilling ahead.
October 15 - 26	Drilling ahead. Reached T.D. at 6:00 PM.
October 27	Ran Schlumberger Logs. Waiting on orders.
October 27 - 28	Plugged and Abandoned.

REMARKS

Hydrocarbon Evaluation

Ismay and Desert Creek zones

The total lack of porosity and permeability in the rocks of these two primary objectives resulted in a total lack of necessary reservoir development which thus resulted in the almost total lack of hydrocarbon saturation.

All other sands and carbonates penetrated are believed to be tight and/or water bearing.

Operations

Daily operations were conducted efficiently and in good spirits.

The wet samples were saved and taken to American Stratigraphic Company for deposit and storage.

Achille Vitali, Jr.
Geologist

TRANS-WESTERN PETROLEUM, INC.

Federal #1-28
Section 28, T40S - R21E
SW¼ NE¼ 1410' F.N.L. & 1880' F.E.L.
San Juan County, Utah

SAMPLE DESCRIPTION

(Note: Samples not lagged unless otherwise noted.)

FROM	TO	IN CUTLER FORMATION
4300'	4310'	70% Shale, brick red to orange red, predominately soft clay type, some silty and occasionally finely sandy, occasional trace Mica flakes, predominately slightly calcareous to calcareous, plus 30% Shale, light to medium gray with slight blue cast, some clay type, some finely sandy, slightly calcareous to calcareous, trace Gypsum, milky, crystalline.
4310'	4320'	50% Shales, reds as above, 50% Shale, grays as above, plus heavy trace Limestone, light rose, shaly, trace Gypsum as above, trace Coal, black.
4320'	4350'	90% Shale, reds as above, predominately clay type, as above, plus 10% Shale, grays, as above, plus trace Limestone, pink to light rose, shaly in part, dense, plus occasional trace Gypsum, as above.
4350'	4400'	80 to 90% Shale, brick red and some orange red as above with some chocolate to brown, finely sandy, micaceous in part, calcareous, plus 10 to 20% Shale, grays, as above, with some medium gray, trace Limestone, pink to light rose, as above, plus trace Gypsum, as above.
4400'	4410'	5% Limestone, white to faint gray, trace buff, dense to finely crystalline, flaky, plus rest Shales, as above, plus heavy trace Limestone, light rose type, as above.
4410'	4450'	90%+ Shales, reds, chocolate and brown as above, plus 10% Shale, grays, as above, some to dark gray, flaky, slightly calcareous, heavy traces to 5% Limestone, pink to rose, shaly, dense, firm to slightly hard, plus trace Limestone, off-white, dense in 4430-50 foot samples, plus traces Chert, light to brown orange, hard, brittle, plus trace Gypsum, as above.

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FROM	TO	
4450'	4500'	40 to 50% Shale, reds as above, plus 40 to 50% Shale, chocolate to brown, soft, clay type, slightly calcareous to calcareous, plus trace Shale, grays, as above, plus trace Gypsum, as above, plus traces Limestone, pink and light rose, shaly as above, plus occasional trace Limestone, off-white to faint gray, flaky, dense.
4500'	4510'	60% Shale, reds as above, plus 30% Shale, brown as above, occasionally finely micaceous, plus Shale, light to medium gray, in part sub-waxy.
4510'	4530'	70% Shale, orange red and brick red, as above, plus 30% Shale, brown, as above, plus heavy trace Shale, grays, as above, plus trace Limestone, pink and rose, as above, plus trace Chert, bright orange, hard, brittle.
		HONAKER TRAIL FORMATION 4520'
4530'	4540'	15% Limestone, off-white to faint gray, occasional faint buff, flaky, dense, plus rest Shales, as above.
4540'	4550'	30% Limestone, as above, some chalky, plus rest Shales as above.
4550'	4580'	25 to 30% Limestone, off-white to very light gray, dense, flaky to thinly tabular, some chalky in part, some slightly dolomitic, occasionally slightly and very finely sandy, plus rest Shales, reds and some grays, as above.
4580'	4600'	10 to 15% Limestone, as above, plus rest Shales, as above.
4600'	4620'	5 to 10% Limestone, as above, plus rest Shales, as above.
4620'	4630'	5% Limestone, as above, plus 40% Shale, light gray green, silty looking, soft, bentonitic looking, in part slightly calcareous, mostly non-calcareous.
4630'	4650'	30 to 40% Shale, light gray to green, silty looking type, as above, plus rest Shale, light green, sub-waxy, soft, smooth looking, non-calcareous, plus heavy trace to 3% Coal, black, vitreous, occasionally has green Shale attached.
4650'	4670'	Shales, light gray-green and light green, as above, plus heavy traces Sandstone(?), white to faint green, heavy clay ground mass with very fine to coarse grains, angular, Quartz and Chert and occasional flesh colored grains.

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FROM	TO	
4670'	4680'	70% Shale, orange red and brick red, trace brown, clay type, soft, slightly calcareous to non-calcareous, plus 30% Shale, light gray-green and light green, as above, trace Coal, plus heavy trace Sandstone, as above.
4680'	4690'	60% Shale, light gray-green and green as above, 20% Shale, reds and rose as above, plus 10% Limestone, off-white to faint gray to gray buff, dense, occasionally finely sandy, flaky, dense, plus 10% Siltstone, light buff with faint rose hue, occasionally very finely sandy, calcareous to limy, grading to Limestone, silty and very finely sandy, trace Pyrite clusters.
4690'	4700'	20 to 30% Siltstone, buff to tan with faint rose hue, as above, plus 30 to 40% Shale, reds as above, plus 20% Shale, greens as above, plus 10 to 15% Sandstone, grains floating in white clay matrix, very fine to coarse grain, angular, Quart and light to dark Chert grains, occasional flesh colored grains, traces Pyrite clusters.
4700'	4710'	(Poor Sample) Predominately Shales, reds and greens as above, plus trace Limestone, off-white, flaky.
4710'	4740'	20 to 35% Limestone, white to off-white to faint buff, dense, flaky to chunky, some chalky in part, plus 10 to 15% Sandstone, clear to white, very fine to fine grain, angular, very calcareous to limy, tight, grading to sandy Limestone, flaky, white, plus light to heavy trace Chert, slightly milky to faint tan, faint orange, occasionally mottled, plus rest Shale, red and gray, gray-green and green, as above, plus heavy trace Pyrite clusters.
4740'	4750'	50% Limestone, light buff gray, dense, tabular, firm to hard, brittle, some soft and chalky, plus 30% Limestone, light to medium brown, shaly, firm, grading to Shale, brown, soft to firm, limy, silty (?) and very finely sandy in part, plus heavy trace Limestone, medium gray, shaly in part, firm, plus rest Shales, predominately reds with some greens, as above.
4750'	4790'	40 to 60% Limestone, buff to tan to very light brown, shaly, soft to firm, silty in part, occasionally finely micaceous grading to/and interlaminated with 40 to 60% Shale, medium to dark brown, slightly calcareous to limy, finely micaceous in part, firm to slightly hard, grading to some Shale, dark brown, clay type, soft, slightly calcareous to calcareous.

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FROM	TO	
4790'	4800'	Predominately Shale, dark brown, clay type, soft, as above, grading in small part (10 to 20%) to tan Limestone, shaly, as above.
4800'	4810'	30% Limestone, off-white to faint gray, flaky, firm, dense, occasionally slightly and very finely sandy, grading to 10% Sandstone, white, very fine grain, angular, firm, very limy, tight, plus some Shale, brown, as above, plus abundant Shale, reds and rose, clay type, calcareous, soft, chunky.
4810'	4820'	25% Limestone, white to faint gray, as above, plus 25% Shale, brown clay type, some finely micaceous, plus rest Shale, orange red to brick red.
4820'	4840'	30 to 50% Shale, brown, clay type, calcareous to very calcareous, grading to some Limestone, tan to brown, shaly, soft to slightly firm, rest Shales, reds and rose clay type, soft, calcareous to very calcareous.
4840'	4850'	Sample as above, plus very heavy traces Limestone, off-white to faint gray, flaky, dense, brittle.
4850'	4860'	Sample as above.
4860'	4870'	40% Shale, light to dark brown, mottled with light to medium gray, calcareous, very finely micaceous, occasionally silty, plus 20% Shale, tan with pinkish hue, very calcareous to limy grading to Limestone, tan, shaly, in part chalky, plus 40% Shale, reds, as above, plus heavy trace Limestone, off-white to faint gray, dense, flaky to tabular, plus trace Chert, amber to light smoky gray.
4870'	4890'	50% Limestone, white, dense to crystalline, some chalky, occasionally fossiliferous, crinoid(?), occasionally scattered sand grains, tight looking, faint to yellow gold mineral fluorescence, No cut or show on logger, plus traces Chert, clear to slightly milky, medium gray, translucent, 15% Shale, gray brown mottled type, rest Shale, reds as above.
4890'	4900'	10% Limestone, as above, trace Chert as above, plus Shale, gray brown mottled type, as above, rest Shale, reds as above.

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FROM	TO	
4900'	4940'	10 to 30% Shale, tan, soft, very calcareous to limy grading to shaly Limestone, plus heavy trace to 5% Limestone, light buff gray, dense to chalky, occasionally slightly shaly, tight, plus rest Shale, reds and brown as above, plus heavy trace Chert, faint to bright orange, occasionally clear.
4940'	4950'	90% Limestone, white to very faint gray with occasional light buff mottling, dense with abundant chalky looking, occasionally crystalline, tight, slightly fossiliferous(?), commonly cherty, clear to faint milky, occasionally slightly amber, all translucent, solid faint to fair yellow-gold mineral fluorescence, no cut, No show on logger, plus 10% Shales, reds and gray brown as above.
4950'	4970'	Limestone, as above, less of chalky type, occasionally scattered grainy looking (pelletoidal?), no porosity and permeability, mineral fluorescence as above, predominately faint yellow gold.
4970'	4990'	Shale, brown micaceous type and orange red, slightly silty calcareous type, all soft, plus heavy trace to 10% Limestone, as above.
4990'	5000'	25% Limestone, off-white to faint gray, chalky to dense, scattering of grains in part, plus 25% Chert, clear to slightly cloudy to faint amber, flaky to tabular, hard, brittle, plus rest Shales as above.
5000'	5020'	Limestone, off-white to faint buff, in part mottled, chalky to dense, occasional suggestion of scattered crystallinity, no porosity and permeability, very faint gold mineral fluorescence, abundantly Cherty, clear to slightly cloudy, occasionally faint amber, flaky to tabular, hard, brittle.
5020'	5030'	60% Limestone and Chert, as above, plus 40% Limestone, medium to dark gray, dense, slightly shaly to shaly, grading to very dark gray to black, very shaly grading to limy Shale, tabular to blocky.
5030'	5050'	Limestone, some off-white, as above, predominately light to medium to dark gray, slightly shaly to shaly, dense, some chalky, no porosity and permeability, trace Chert, as above.
5050'	5090'	20 to 30% Limestone, very light to medium gray, chalky to dense, occasionally some micro-crystalline, tight, No Show, plus rest Shales, as above, plus trace Chert, as above.

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FROM	TO	
5090'	5100'	Shales, as above, plus heavy trace Limestone, as above.
5100'	5120'	Predominately Shales, as above, plus heavy trace to 5% Limestone, as above, plus some off-white, chalky to dense, no porosity and permeability.
5120'	5150'	50 to 70% Limestone, some very light gray cream to light gray with buff cast, chalky to lithographic, thinly tabular, tight, No Show, plus rest Shale, reds, as above.
5150'	5160'	40% Limestone, 20% cream buff, chalky, 20% medium gray, dense, slightly shaly(?), tight, No Show, plus rest Shale, as above.
5160'	5180'	60 to 80% Limestone, off-white to faint gray, some faint buff, some chalky, mostly lithographic, firm, tight, No Show, some faint gold mineral fluorescence, trace Chert, faint amber, rest Shale, as above.
5180'	5200'	30 to 40% Limestone, light to dark gray, in part shaly and dolomitic, some buff and cream, all dense, soft to firm, tight, No Show, plus rest Shale, reds with some brown.
5200'	5210'	80% Limestone, 30% off-white to faint gray and some buff, chalky to dense, 50% medium to dark gray, in part shaly grading to limy, very dark gray Shale, all tight, No Show, plus 5% Chert, slightly milky to amber, plus rest Shales.
5210'	5220'	Predominately Limestone, predominately light to medium gray, some to dark gray, dense, shaly in part(?), tight, some off-white and cream and buff, chalky to dense, No Show.
5220'	5240'	Limestone, cream to buff to light brown-gray to medium gray with faint brown cast, chalky and soft to dense and firm, tabular, some micro-pelletoidal, flaky to thinly tabular, tight, No Show, some Limestone, medium gray, shaly.
5240'	5250'	Limestone, off-white to faint cream buff, some chalky, abundantly very finely grainy, pelletoidal, looks tight, some very faint gold mineral fluorescence, no cut, very heavy traces Chert, clear to faint mioky to faint amber, hard, brittle.
5250'	5260'	Limestone, dense to chalky, plus 10% Shale, dark gray, flaky, calcareous to limy.
5260'	5270'	Limestone, as above, plus 20% Shale, as above.

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FROM	TO	
5270'	5280'	Limestone, light cream to buff with faint gray cast, abundantly chalky to dense, some micro-pelletoidal, tight, some faint gold mineral fluorescence, no cut, plus 30% Shale, dark gray to very dark gray, calcareous to limy, flaky.
5280'	5290'	Limestone, light creamy buff to buff, chalky in part, predominately dense, tight, plus 40% Shale, as above.
5290'	5300'	Limestone, as above with tan to light brown as above, plus 20% Shale, brown, soft, plus 30 to 40% Shale, as above.
		PARADOX FORMATION (?)
5300'	5310'	Limestone, faint tan to light brown with reddish hue, in part speckled, silty and very finely pelletoidal grading to/and interlaminated with 30% cream to buff, very finely pelletoidal type, heavy trace Shale, as above.
5310'	5320'	30% Shale, dark to very dark gray, splintery flakes, very calcareous, 40% Limestone, as above, plus 30% Limestone, off-white to cream, chalky to dense, all tight.
5320'	5330'	Limestone, cream to buff to very light gray olive, some chalky, predominately dense, lithographic, tight, some faint gold mineral fluorescence, trace Shale, as above.
5330'	5350'	Limestone, off-white with some faint buff sploching, with traces tan to light brown, some chalky, mostly dense, occasionally some grainy and pelletoidal, some very faint gold mineral fluorescence, plus 20 to 30% Shale, as above, plus light to heavy trace Chert, clear to slightly milky, occasionally light amber.
5350'	5370'	Limestone, cream to tan to very light brown, some chalky, predominately lithographic, tabular, hard, brittle, tight, No Show, traces Chert, amber.
5370'	5380'	Limestone, off-white, chalky, predominately very light gray with slight olive cast, dense (lithographic), brittle, tight, No Show, plus trace Shale, very dark gray, flaky to slightly calcareous.
5380'	5390'	40% Limestone, as above, plus 60% Limestone, white, very finely pelletoidal, firm, tight looking, No Show, plus 10% Shale, dark to very dark gray, flaky to splintery, occasionally slightly lumpy, slightly calcareous.

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FROM	TO	
5390'	5400'	Limestone, off-white to faint gray, 60% chalky and soft, 25% dense to lithographic, as above, 15% grainy and pelletoidal, as above, plus very heavy trace Chert, clear to slightly milky, slightly smoky, occasional faint amber.
5400'	5430'	(Poor Samples) Limestone, as above, predominately lithographic and chalky type, some grainy pelletoidal type, plus light to heavy traces Chert, as above, plus abundant (60%) Shale, reds as above (caving?), plus 5 to 10% Shale, dark to very dark gray, flaky fissile type, as above.
5430'	5440'	Predominately Shale, very light gray buff, flaky, sub-fissile, looks bentonitic, slightly calcareous, interlaminated with some Shale, dark gray to very dark gray, flaky, sub-fissile, slightly calcareous (color variations of same Shale?).
5440'	5450'	Shales, as above, with increase in dark gray type, plus 5% Limestone, off-white to faint gray, some chalky, rest dense, occasionally crystalline, tight, No Show, plus heavy trace Cherty, slightly milky to faint amber.
		UPPER ISMAY MEMBER
5450'	5470'	Predominately Limestone, off-white to light gray, occasional buff, rare tan (mottled?), some chalky, dense, some slightly shaly(?), 50% crypto-to micro-grainy, pelletoidal, slightly fossiliferous, rare trace Algae (Ivainovia?), trace Fusulinid, plus some Shale, dark to very dark gray as above.
5470'	5480'	Limestone, off-white to cream, 70% chalky, rest dense to lithographic, all looks tight, heavy trace to 1% bright yellow fluorescence (in chalky fraction, bright yellow crushed cut).
		Slight Drilling Break at 5460' to 5462'
		Had 9 Units of Gas increase on logger
5480'	5490'	Limestone, off-white to faint cream to faint buff, 20% chalky, 60% dense, 20% crypto-grainy (pelletoidal?), all tight, No Show, some faint gold mineral fluorescence, trace bright yellow fluorescence as above, plus 25% Chert, slightly milky to faint amber, hard, brittle, 3 Unit Gas increase at 5476-78 feet, 10 to 15% Dolomite, light brown, cryptocrystalline, tight, bright yellow fluorescence, excellent bright yellow crushed cut.

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FROM	TO	
5490'	5500'	Limestone, off-white to faint gray amber, some chalky, some dense, predominately crypto-crystalline and micro-grainy, No porosity and permeability, No Show, plus 35% Chert, faint smoky to faint amber, hard, brittle, plus 5% Dolomite, as above.
5500'	5510'	Limestone, some medium gray buff, predominately dark gray with brown cast, dense to crypto-crystalline, hard, brittle, slightly shaly to shaly, plus heavy traces Chert, light to medium brown.
5510'	5520'	50% Limestone, dark gray brown type, shaly, plus 50% Shale, very dark gray to black, calcareous to limy, micro-grainy, firm.
5520'	5540'	Shale, very dark gray black with brown cast to black, micro-grainy looking in part, tabular to slightly blocky, stains black, highly organic(?), calcareous to very calcareous.
		LOWER ISMAY MEMBER 5540'
5540'	5550'	Limestone, predominately very light to light gray with occasional buff mottling, micro-grainy (pelletoidal), tight, plus 15 to 20% Limestone, light to medium brown, lithographic, tabular, hard, occasional questionable ghost of Fossils(?), trace bright yellow-white fluorescence in white chalky type, fair crushed cut, No Show on logger.
5550'	5560'	Limestone, 40% light cream to very light gray, chalky to dense, 60% very light gray, micro-grainy, pellatoidal, firm, looks tight, No Show.
5560'	5580'	Limestone, light cream to very light gray with slight olive cast in part, chalky to dense, tight, No Show, trace Chert, slightly milky.
5580'	5600'	Limestone, light cream, largely chalky to faint gray, occasionally with buff cast, dense, tight looking, 10 to 15% spotty yellow fluorescence in chalky type, faint to very light yellow crushed cut.
5600'	5610'	Limestone, predominately very light to light gray, as above, also some chalky, some cream and chalky, one or two pieces with possible vugs, rest tight, trace fluorescence as above, plus 15% Shale, grading to shaly Limestone, dark gray, flaky to tabular.
5610'	5630'	Shale, very dark gray (with slight brown cast in part) to black, some with dark brown cast, calcareous to limy.

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FROM	TO	
5630'	5640'	90% Shale, as above, plus Limestone, light gray, earthy to chalky, soft, tight.
		DESERT CREEK MEMBER 5640'
5640'	5650'	Limestone, very light gray, micro-grainy, pelletoidal, tight, plus some light gray, buff, occasional tan, dense, trace Fossil(?), plus 25% Shale, as above.
5650'	5670'	Limestone, off-white to very light gray, some with faint buff cast, abundantly chalky, rest dense, tight, No Show, trace evidence Fossil(?).
5670'	5680'	Limestone, as above, plus 15 to 20% tan to light brown, dense, hard, brittle, tabular.
5680'	5700'	Limestone, 60 to 80% tan to brown to dark brown, dense, hard, brittle, greasy luster, tabular, rarely chunky, tight, No Show, occasional evidence of Fossils, plus rest Limestone, light gray to buff, largely chalky to soft, No Show.
5700'	5720'	60 to 70% Limestone, brown type as above, rest Limestone, very light to light gray with buff cast in part, chalky to earthy, rest as above.
5720'	5730'	30% Anhydrite, predominately light gray, some white to very light gray Gypsum(?), rest Limestone, as above, heavy trace to 5% Chert, light to dark brown.
5730'	5740'	Anhydrite, light gray, as above, 15 to 20% altered to Gypsum, finely crystalline, soft.
5740'	5750'	Dolomitic Limestone, medium gray, crypto to micro-grainy, pelletoidal(?), soft to slightly firm, thickly tabular to roughly blocky, tight, No Show, 5 to 10% Limestone, brown type as above, trace Chert, amber to light brown plus some Anhydrite, light to medium gray, some slightly micaceous.
5750'	5760'	Caving.
5760'	5770'	25% Shale, medium green-gray, sub-waxy, slightly calcareous, flaky, soft, with some becoming firm and more calcareous, blocky and tabular, plus rest Limestone, medium to dark brown, crypto-grainy, sub-earthy in part, dense, tight, No Show.

Sample Description
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FROM	TO	
5770'	5780'	70 to 80% Shale, medium green and gray-green, soft, sub-waxy and flaky, slightly calcareous to calcareous, plus rest Limestone, as above, chunky to roughly tabular.
5780'	5800'	Limestone, medium dark brown to brown, crypto to micro-grainy, firmy to hard, brittle, flaky to tabular to slightly chunky, some sub-earthy looking, tight, No Show, plus heavy trace to 5% Shale, sub-waxy type as above, trace Limestone, white, lithographic in 5790-5800 foot sample.
		Drilling Break at 5780' to 5800'
		Two Extra Lagged Samples
		100% Shale, black, micro-grainy looking, soft, brittle, calcareous to very calcareous, chunky to roughly tabular, stains black, highly organic(?).
5800'	5810'	90% Shale, as above, plus 10% Limestone, light to medium brown, predominately earthy, soft.
5810'	5820'	80% Shale, as above, plus 20% Limestone, dolomitic in part, predominately earthy looking, some dense, hard, trace Limestone, tan, lithographic.
5820'	5830'	Limestone, brown and gray-grown shades, predominately earthy, crypto-grainy to earthy, in part anhydritic or dolomitic, trace Limestone, buff to tan, lithographic, plus abundant Shale, black as above.
		30 and 60 Minute Circulation Sample
		40 to 50% Anhydrite, very light to medium gray, some with faint green or buff cast, slightly calcareous, plus Limestones, as above, plus abundant Limestone, cream, tan and brown, lithographic, tabular, brittle, in part slightly dolomitic(?).

(Note:)

Depth 5828-31 feet presumed to be Salt due to extreme drilling break (drilled 1/2 to 1 minute per foot).

U.S.G.S. SCOUT SHEET FOUR CORNERS AREA

TOPS	LOG
	Surface
Ojo Alamo	
Kirtland	
Fruitland	
P.C.	
Lewis	
M.V.	
C.H.	
Menefee	
P.L.	
Mancos	
Gallup	
Sanastee	
Gr. Horn	
Graneros	
Dakota	
Morrison	
Todilto	
Entrada	
Carmel	
Navajo	
Kayenta	
Wingate	
Chinle	
Shinarump	
Moenkopi	
Cutler	[illegible]
Chelly	[illegible]
C. Rock	
C. Mesa	
Rico	
Hermosa	[illegible]
Paradox	[illegible]

Operator Transwestern Petroleum

Well No. 1-28 Farm Wind Bluff Unit

Loc. _____ N/S _____ E/W Sec. 28 T. 40 S R. 21 E, SW ¼ NE ¼

County San Juan State Utah Field WC

Elevation _____ Contr. [illegible] 3

Lease No. U-29795 Exp. Date _____

App. _____ Spud _____ H.S. _____

Map _____ 1st Prod. _____ Disc. _____ IWR _____

Casing: 9 5/8 @ 1550 Circ

[illegible] (505) 327-0226 [illegible] 0007

TD 5834 Mud = gel 9.6 #/gal, WL 9, Vis 55

No water flow, No flow, No [illegible]. Tight [illegible]

26" [illegible] [illegible]

[illegible]	30'	5800-5500	[illegible]
Plug 2	100'	4560-4460	Hermosa
Plug 3	150'	2750-2600	Cutler
Plug 4	100'	1600-1500	Shoe
Plug 5	50	50-surface	Surf

[illegible] 8 5/8

[illegible]

[illegible]

[illegible]

10-27-81 Checked w/ [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible]

CAB

ORAL APPROVAL TO PLUG AND ABANDON WELL

Operator TRANS-WESTERN PETRO Representative LEAH

Well No. 1-28 Location SW¼ NE¼ Section 28 Township 40S Range 21E

Lease No. U-29795 Field WC State UTAH SAN JUAN

Unit Name and Required Depth [illegible] Base of fresh water sands

T.D. 5834' Size hole and Fell per sack " ' Mud Weight and Top #/gal. ' '

Casing Size	Set At	Top of Cement	To Be Pulled	Plugging Requirements From	To	Sacks Cement
				50' @ Surface		+ Marker
Formation	Top	Base	Shows	5800'	5500'	
Cutler	2680'			4560'	4460'	
Chelly	2828'					
				2750'	2600'	
Hermosa	4510'			1600'	1500'	
ACAD	5801					
			9.6 #	mud between	plugs	

REMARKS

DST's, lost circulation zones, water zones, etc.,

clean up location, restore pit & rehab as per BLM specs.

Approved by [signature] Date 10-27-81 Time 3:10 a.m. p.m.

cc: opr w/cond of approval
BLM MONTICELLO w/cond of approval

MER
CONTROL BOOK
FILE

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
U-29795

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
#1-28

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 28, T40S, R21E

12. COUNTY OR PARISH
San Juan

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 Dry Hole

2. NAME OF OPERATOR
Transwestern Petroleum, Inc.

3. ADDRESS OF OPERATOR
1615 California Street #704, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface SW¼ SE¼ (1410' FEL & 1880' FEL)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4896' G.L., 4907' K.B.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐
REPAIR WELL	☐	CHANGE PLANS	☐
(Other)			☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOTING OR ACIDIZING	☐	ABANDONMENT*	X
(Other)			☐

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Plugged and abandoned well as follows:

Ran following cement plugs on 10-27-81:

Plug #1	5800-5500'	95 sx
Plug #2	4600-4500'	32 sx
Plug #3	2750-2600'	47 sx
Plug #4	1600-1500'	32 sx
Plug #5	50-Top of Surface	17 sx

Hole was full of 9.5 lb/gal. drilling mud. Welded ¼" steel plate over surface casing. Finished fencing off 4th side of reserve pit. Dry hole marker was welded at surface.

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

SIGNED Robert W. Peterson TITLE Petroleum Engineer DATE 11-10-81

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

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-29795

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL ☐ GAS WELL ☐ OTHER: Dry Hole

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Transwestern Petroleum, Inc.

8. FARM OR LEASE NAME: Federal

3. ADDRESS OF OPERATOR: 1615 California Street #704, Denver, CO 80202

9. WELL NO.: #1-28

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: SW¼ SE¼ (1410' FNL & 1880' FEL)

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 28, T40S, R21E

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4896' GL, 4907' KB

12. COUNTY OR PARISH: San Juan

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	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	XX	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)							

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Received permission on 10-26-81 to plug and abandon well as follows:

Run following cement plugs:

Plug #1	5800-5500'	95 sx
Plug #2	4600-4500'	32 sx
Plug #3	2750-2600'	47 sx
Plug #4	1600-1500'	32 sx
Plug #5	50-Top of Surface	17 sx

Hole is full of 9.5 lb/gal. drilling mud. Will weld ¼" steel plate over surface casing and finish fencing off 4th side of reserve pit.

RECEIVED
NOV 13 1981
U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

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

SIGNED: Robert W. Peterson TITLE: Petroleum Engineer DATE: 11-10-81

(This space for Federal or State office use)

APPROVED BY: [signature] TITLE: E. W. Guynn, District Oil & Gas Supervisor DATE: NOV 25 1981

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

P&M PETROLEUM MANAGEMENT
SUITE 1700 • 1600 BROADWAY • DENVER • COLORADO 80202 • PHONE (303) 861-2470

November 10, 1981

RECEIVED
NOV 13 1981
U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

United States Geological Survey
701 Camino Del Rio
Durango, CO 81301

RE: Trans-Western Petroleum, Inc.
No. 1-28 Federal (Dry-Hole)
SW¼NE¼ Sec. 28-T40S-R21E
San Juan County, Utah

Gentlemen:

Attached in triplicate please find our Notice of Intention to Abandon the subject well and Well Completion Report with the geologist's report attached.

Please advise if you have any questions or desire further information.

Very truly yours,

Robert W. Peterson

Robert W. Peterson

KLM

Attachments

Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other

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

2. NAME OF OPERATOR: Transwestern Petroleum, Inc.

3. ADDRESS OF OPERATOR: 1615 California Street, #704, Denver, CO 80202

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface SW¼ SE¼ (1410' FNL & 1880' FEL)
At top prod. interval reported below Same
At total depth

5. LEASE DESIGNATION AND SERIAL NO.: U-29795
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME:
8. FARM OR LEASE NAME: Federal
9. WELL NO.: #1-28
10. FIELD AND POOL, OR WILDCAT: Wildcat
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 28, T40S, R21E
12. COUNTY OR PARISH: San Juan
13. STATE: Utah
14. PERMIT NO. / DATE ISSUED:

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
10-10-81	10-26-81	Dry Hole	4896' G.L. 4907' K.B.	4895'

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
5831' K.B. MD	----	----	→	0-5831'	---

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

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: Schlumberger Dual-Induction SEL Log & Compensated Neutron-Formation Density

27. WAS WELL CORED: No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16"		81'	20"	Concrete to surface	None
8-5/8"	24 lb.	1550' K.B.	12¼"	750 sx. Howco lite w/3% $CaCl_2$ & 10.5 lb/gal. gilsonite followed by 200 sx Class B.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
None				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
None		

31. PERFORATION RECORD (*Interval, size and number*): None

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None	

NOV 13 1981
U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

33.* PRODUCTION

DATE FIRST PRODUCTION: None
PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*):
WELL STATUS (*Producing or shut-in*):

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: Geologist Report & logs

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

SIGNED Robert M. Delegeas TITLE Petroleum Engineer DATE 11-10-81

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

FORWARDED TO DENVER

INSTRUCTIONS

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

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

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

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

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

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

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

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
DeChelly	2620'	2660'	Tight
Cutler	2680'	4510'	Tight
Hanaker Trail	4510'	5280'	Tight
Paradox Form.	5280'	5801'	Tight
Upper Ismay	5448'	5534'	Tight
Lower Ismay	5534'	5636'	Tight
Desert Creek	5636'	5801'	Tight
			No cores or tests

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH

★ U.S. GOVERNMENT PRINTING OFFICE: 1974-780-680/VIII-238

Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [ ] DRY [X] Other

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

2. NAME OF OPERATOR: Transwestern Petroleum, Inc.

3. ADDRESS OF OPERATOR: 1615 California Street, #704, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: SW¼ SE¼ (1410' FNL & 1880' FEL)
At top prod. interval reported below: Same
At total depth:

5. LEASE DESIGNATION AND SERIAL NO.: U-29795
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME:
8. FARM OR LEASE NAME: Federal
9. WELL NO.: #1-28
10. FIELD AND POOL, OR WILDCAT: Wildcat
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 28, T40S, R21E
12. COUNTY OR PARISH: San Juan
13. STATE: Utah
14. PERMIT NO.: 43-037-31070 DATE ISSUED: 5-4-81

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
10-10-81	10-26-81	Dry Hole	4896' G.L. 4907' K.B.	4895'

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
5831' K.B. MD	----	----	→	0-5831'	---

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

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: Logs not available for this office
Schlumberger Dual-Induction SEL Log & Compensated Neutron-Formation Density

27. WAS WELL CORED: No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16"		81'	20"	Concrete to surface	None
8-5/8"	24 lb.	1550' K.B.	12¼"	750 sx. Howco lite w/3% $CaCl_2$ & 10.5 lb/gal. gilsonite followed by 200 sx Class B.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
None				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
None		

31. PERFORATION RECORD (Interval, size and number): None

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None	

33.* PRODUCTION

DATE FIRST PRODUCTION: None
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: Geologist Report & logs

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

SIGNED: Robert W. Velasco TITLE: Petroleum Engineer DATE: 11-10-81

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

INSTRUCTIONS

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

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

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

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

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

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

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

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

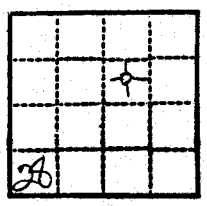
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
DeChelly	2620'	2660'	Tight
Cutler	2680'	4510'	Tight
Hanaker Trail	4510'	5280'	Tight
Paradox Form.	5280'	5801'	Tight
Upper Ismay	5448'	5534'	Tight
Lower Ismay	5534'	5636'	Tight
Desert Creek	5636'	5801'	Tight
			No cores or tests

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

★ U.S. GOVERNMENT PRINTING OFFICE: 1974-780-680/VIII-238

Form 9-329
(April 1952)



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

INDIVIDUAL WELL RECORD

Sec. 28
T. 40S
R. 21E
SLB + Mer.

PUBLIC LAND: Date November 17, 1981 Ref. No.

Land office Utah State Utah

Serial No. 29795 County San Juan

Lessee Getty Oil Co., Joan Chorney, Donald A. Anderson, Ltd. Field Unnamed (West Bluff Unit)

Operator Transwestern Petroleum, Inc. District Salt Lake City

Well No. 1-28 Subdivision SW NE

Location 1410 FNL + 1880 FEL

Drilling approved Aug 19, 1981 Well elevation 4896 GL, 4907 KB feet

Drilling commenced Aug 31, 1981 Total depth 5831 KB feet

Drilling ceased Oct 26, 1981 Initial production Dry

~~Completed for production~~ Cal to Abandon Oct 27, 1981 Gravity A. P. I.

Abandonment approved, 19 Initial R. P.

Geologic Formations		Productive Horizons		
Surface	*Lowest tested*	*Name*	*Depths*	*Contents*
Bluff Sandstone	AKah			

WELL STATUS

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1981								Spud		TD 5831 ABD		

Remarks Geologic Markers: See Well File

Casing Record: 16" CC @ 81' w/ cmt to surface
8 5/8" CS @ 1550' w/ 950 SKS

☆U.S. Government Printing Office: 1979 —680-201/613

P. O. Box 3524
Durango, Colorado 81301

November 16, 1981

Trans-Western Petroleum Company
c/o P&M Petroleum Management Company
1600 Broadway, Suite 1705
Colorado State Bank Building
Denver, Colorado 80202

Re: Additional rehabilitation requirements
Lease U-29795
Well No. 1-28 West Bluff Unit
SWNE sec. 28, T. 40 S., R. 21 E., SLM
San Juan County, Utah

Gentlemen:

The access road from the pad to a point 1.0 miles north of the pad should be ripped 18 inches deep, water barred, and seeded.

Sincerely yours,

(Orig. Sgd.) C. A. BARRICK
for Edgar W. Guynn
District Oil and Gas Supervisor

cc: BLM Monticello

BLM-Monticello

NOV 19 '81

	Act.	Info.	Init.
A.M.			
Ast.AM		1	
Rec-Ml			
Enc-Gr			
Rec-Pr			
Lo. Ngr			
Admin.			
Oper.			
Rec-Cir			

Reclamation Requirements for 1-28 Well

1. The operator or his contractor will contact the San Juan Resource Area BLM office in Monticello, Utah, phone (801) 587-2201, 48 hours prior to starting rehabiliation work and upon completion of restoration measures.

2. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography.

3. The stockpiled topsoil will be evenly distributed over the disturbed area.

4. All disturbed areas will be scarified with the contour to a depth of 12 inches.

5. Seed will be broadcast at a time to be specified by the BLM with the following seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover.

   2 lbs/acre Indian ricegrass (*Oryzopsis hymenoides*)
   2 lbs/acre Fourwing saltbush (*Atriplex canescens*)
   2 lbs/acre Sand dropseed (*Sporobolus cryptandrus*)

6. The access road from the pad north for one mile must be reclaimed as detailed above, waterbarred every 200 feet, and blocked.

WRIGHT'S *Roustabout Service, Inc.*

POST OFFICE BOX 1196
Cortez, Colorado 81321

TELEPHONES
OFFICE — 565-3703
HOME — 565-3888

Trans-Western Petroleum Inc.
1615 California
Suite 704
Denver, CO 80202

Attn: Doug Isern

RE: Trans-Western Petroleum Inc. #1-28 Federal; 1,410 ft. FNL & 1,880 ft. FEL; Section 28; Township 40 South; Range 21 East; San Juan County, Utah

Gentlemen:

The purpose of this letter is to certify that on August 31'st, 1981 I was present on the location of the Trans-Western Petroleum Inc. #1-28 Federal well located 1,140 ft. FNL 7 1,880 ft. FEL; Section 28; Township 40 South; Range 21 East; San Juan County, Utah, and witnessed that L.C. Jones Service Co., Inc. drilling rig was in the process of drilling a twenty inch surface hole for conductor casing.

Sincerely,

Robert McDaniel

RWP:flr

Robert McDaniel

STATE OF COLORADO
s.s.
COUNTY OF MONTEZUMA

The foregoing letter was subscribed and sworn to and before me this Seventh day of December, 1981.

Witnessed my hand and official seal.

Notory Public
Box A, Cortez, Co.

1-10-84
My Commision Expires

TRANS - WESTERN PETROLEUM, INC.

December 21, 1981

United States Geological Survey
Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

Dear Sir:

Re: West Bluff Unit
San Juan County, Utah

Enclosed are two copies of the notarized affidavit to the effect that Trans-Western Petroleum, Inc. had commenced drilling operations on the 1-28 Federal located in the SW/4NE/4 of Section 28, Township 40 South, Range 21 East in San Juan County, Utah, on August 31, 1981. The expiration of two Federal leases, Nos. U-16030 and U-16278, are concerned with this date. P & M Petroleum Management Company is to forward all geological data required to you. Please notify me at the letterhead address if you do not receive everything necessary to hold the leases mentioned above. Thank you.

Sincerely,

Susan Rippy

Susan Rippy
Land Department

Enclosures

1615 CALIFORNIA, SUITE 704, DENVER, COLORADO 80202 (303) 825-1625

P&M PETROLEUM MANAGEMENT
SUITE 1700 • 1600 BROADWAY • DENVER • COLORADO 80202 • PHONE (303) 861-2470

December 22, 1981

United States Geological Survey
Oil & Gas Operations
2000 Administration Building
1745 West - 1700 South
Salt Lake City, Utah 84104

RE: Trans-Western Petroleum, Inc.
#1-28 Federal Well
SW¼NE¼ Sec. 28, T40S-R21E
San Juan County, Utah

Gentlemen:

I am enclosing in triplicate copies of our Notice of Intention to Abandon, Subsequent Notice of Abandonment, Well Completion Report, and Geological Report together with copies of the transmittal letters whereby we forwarded these reports to the U.S. Geological Survey. Apparently we did not send these to the correct U.S.G.S. office.

Please let me know if you have any further questions or need additional information.

Very truly yours,

Kathryn L. Mohrbacher

Kathryn L. Mohrbacher

KLM

Attachments

cc: Trans-Western Petroleum, Inc.
1615 California Street
Suite 704
Denver, CO 80202

12/21/81

Susan

Transwestern Petroleum

West Bluff Unit

Fed #1-28

28-40S-21E

Spud 8/29/81

Compl. 10/28/81

Expiring Lse. In Unit

U-16030 8/31/81

U-16778 9/30/81

MINERALS MANAGEMENT SERVICE
P. O. Box 3524
Durango, Colorado 81301

March 29, 1982

Trans-Western Petroleum, Inc.
c/o P & M Petroleum Management
1600 Broadway, Suite 1700
Denver, Colorado 80202

Re: Lease No. U-29795
Well No. 1-28 Federal
SWNE sec. 28, T. 40 S., R. 21 E., SLM
San Juan County, Utah

Gentlemen:

An inspection on March 16, 1982 found that the pit still contains water. Seeding of this location should not be done until after October 1, 1982 to take advantage of optimum seeding conditions. Rehabilitation should be done in accordance with the APD stipulations and our letter of November 16, 1981.

Sincerely yours,

(Orig. Sgd.) C. A. BARRICK

Edgar W. Guynn
District Oil and Gas Supervisor

bcc: BLM Monticello
DMM CR
DOGS SLC

Rec'd SJRA MAR 29 1982

Bruce T. Hamilton
Chartered Accountant

MINERALS MANAGEMENT SERVICE
OIL & GAS OPERATIONS
RECEIVED
MAY 3 1982
SALT LAKE CITY, UTAH

April 30, 1982

Minerals mManagement Service
Oil & G as Operations
#2000 Administration Bldg.
1745 West 1700 South
Salt Lake City Utah 84104
USA
Att'n:Diane Horseley

Dear Sirs:

Re: Federal 1 - 28

Following our telephone conversations of this morning regarding the above well, I enclose the following documents:

- Schlumberger well log
- Smith Mud Logging
- an unsigned engineer's report.

On behalf of our audit client, we are very anxious to find out whether such a well really exists!

Sincerely:

Bruce

B. T. Hamilton

Returned logs 5-3-82 per conversation with Bruce Hamilton along with copy of APD, IWR, & P&A S/N

818 - 470 Granville Street, Vancouver, B.C., V6C 1V5 Telephone 669-3436

United States Department of the Interior

T40R21S28
(U-069)

BUREAU OF LAND MANAGEMENT
Moab District
San Juan Resource Area
P. O. Box 7
Monticello, Utah 84535

IN REPLY
REFER TO:

DEC 17 1982
SALT LAKE CITY, UTAH

Memorandum

December 15, 1982

To: Minerals Management Service, Salt Lake City, Utah

From: Area Manager, San Juan

Subject: Trans-Western Petroleum's 1-28 Well (U-29795)

We inspected the well on December 13, 1982, and found that that the pit is dry and the pad and road are ready to be reclaimed. Seeding should be done before February 28 to take advantage of optimum seeding conditions.

Reclamation should be done in accordance with the APD and your letter of November 16, 1981.

Robert Lurz
ACTING

cc: MMS, Durango

IN REPLY REFER TO:

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

January 7, 1983

Trans-Western Petroleum Inc.
c/o P & M Petroleum Management
1600 Broadway, Suite 1700
Denver, Colorado 80202

Re: Federal Oil and Gas Lease U-29795
Well No. 1-28
Section 28, T.40S., R.21E.
San Juan County, Utah

Gentlemen:

A recent inspection of the referenced wellsite has disclosed that the pit is dry and the pad and road are ready to be reclaimed. Seeding should be done before February 28 to take advantage of optimum seeding conditions.

Reclamation should be done in accordance with the APD. Any questions concerning rehabilitation should be directed to the San Juan Resource Area Office in Monticello, Utah.

Sincerely,

Bruce Chilipson

for E. W. Guynn
District Oil and Gas Supervisor

cc: BLM, Monticello

REC'D SLTA JAN 10 1983

Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

January 7, 1983

Trans-Western Petroleum Inc.
c/o P & M Petroleum Management
1600 Broadway, Suite 1700
Denver, Colorado 80202

Re: Federal Oil and Gas Lease U-29795
Well No. 1-28
Section 28, T.40S., R.21E.
San Juan County, Utah

Gentlemen:

A recent inspection of the referenced wellsite has disclosed that the pit is dry and the pad and road are ready to be reclaimed. Seeding should be done before February 28 to take advantage of optimum seeding conditions.

Reclamation should be done in accordance with the APD. Any questions concerning rehabilitation should be directed to the San Juan Resource Area Office in Monticello, Utah.

Sincerely,

Original Signed By
BRUCE A. PHILIPOOM
for E. W. Guynn
District Oil and Gas Supervisor

cc: BLM, Monticello

bcc: O&G, Durango
Tickler
Oper. Chron. File
Well File

BAP/kr

T40SR21E
Sec. 28
(U-069)

Moab District
San Juan Resource Area
P.O. Box 7
Monticello, Utah 84535

January 31, 1983

Ms. Susan Robinson
TransWestern Petroleum
Suite 704
1616 California Street
Denver, Colorado 80202

Dear Ms. Robinson:

As requested in your conversation on January 27, 1983, we are enclosing a list of reclamation contractors and requirements for the 1-28 Well. The contractors are neither endorsed nor recommended by BLM. If you or your contractors has any questions, please call Brian Wood of my staff at (801) 587-2201.

Sincerely yours,

Edward W. Shultz

Area Manager

Enclosures (2)
1-Reclamation Requirements
2-Reclamation Contractors

Wood/jb 1-28-83

PW
P2

RECLAMATION CONTRACTORS

B&W Construction
640 Bartlett
Moab, Utah 84532
(801) 259-5670

C&C Construction
South Highway 163
Blanding, Utah 84511
(801) 678-2377

Glen or Walt Wilkin
East Highway 666
Monticello, Utah 84535
(801) 587-2423

JBCO Construction
P.O. Box 1030
Moab, Utah 84532
(801) 259-5316

Zimmerman Well Service
4081 Sunny Dale Drive
Moab, Utah 84532
(801) 259-7726

Boulden Contracting
Attention: James T. Bouldon
P.O. Box 1382
Moab, Utah 84532
(801) 259-8926

Urado Construction, Inc.
Attention: Al Heaton
P.O. Box 217
Dove Creek, Colorado 81324
(303) 677-2388

Perry McDonald Construction
P.O. Drawer 1750
Cortez, Colorado 81321

Atchison Construction Company, Inc.
101 E. Elm
Farmington, New Mexico 87401
(505) 327-6276

Bob Beeman Drilling
South Highway 163
Moab, Utah 84532
(801) 259-7281

Crowley Construction
Eastland Utah
(801) 587-2377
Mobile (801) 259-0299

Jerry Holliday Construction
19 East 1 South
Blanding, Utah 84511
(801) 678-2028

Floyd McNutt or Charles Stone
26361 Road N.
Cortez, Colorado 81321
(303) 565-9609 (303) 565-3694

Mike's Reseeding
P.O. Box 324
Moab, Utah 84532
(801) 259-7852

J&W Oilfield Services
Attention: Dwight Johnson
P.O. Box 146
Moab, Utah 84532
(801) 259-8275

Canyonlands Contracting, Inc.
Attention: Jan Boyd
P.O. Box 547
Moab, Utah 84532
(801) 259-7760

ABCO Construction
P.O. Box 786
Cortez, Colorado 81321
(303) 565-9077

Howard W. Hughes Construction
P.O. Box 733
Cortez, Colorado 81321
(303) 882-7926

Kell Oilfield Services
5603 Highway 66/160 South
Cortez, Colorado 81321
(303) 565-1259

Sutherland Brothers Drilling Company
P.O. Box 429
Naturita, Colorado 81422
(303) 665-2563

Hunt's Service, Inc.
P.O. Box 215
Hanksville, Utah 87434-0215
(801) 542-3241

Rosenbaum Construction Company, Inc
P.O. Box 2308
Farmington, New Mexico 87401
(505) 325-6367

TRANS - WESTERN PETROLEUM, INC.

11 February 1983

United States Department of the Interior
Bureau of Land Management
Moab District
San Juan Resource Area
P. O. Box 7
Monticello, Utah 84535

SUBJECT: 1-28 Federal Well, 28-40S-21E, San Juan County, Utah
Federal Oil and Gas Lease U-29795

Gentlemen:

Your letter of January 31, 1983 stipulates in the Reclamation Requirements for the I-28 Well, that the disturbed area is to be scarified to the depth of 12 inches. We have been advised that due to the fine, sandy topsoil, it would be detrimental to the integrity of the soil structure to scarify deeper than 6 inches. Therefore, we request your approval to scarify to a depth of 6 inches rather than 12 inches.

Sincerely,

Susan Robinson

Susan Robinson
Landman

6" was OK.

Left a message for Susan on 2-16 saying

Rec'd SJ... 1315 1983

1615 CALIFORNIA, SUITE 704, DENVER, COLORADO 80202 (303) 825-1625

Because of the initial seven week lead time in your letter of 1-7-83, followed by our four week extenstion of 2-28-83, and the intense competition among dirt contractors for work, we see no reason why the reclamation should be postponed further.

Robert Lurri

ACTING

Enclosure
Letters

cc:
Minerals Management Service, Durango, Colorado

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Moab District
San Juan Resource Area
P.O. Box 7
Monticello, Utah 84535

IN REPLY REFER TO:

MINERALS MANAGEMENT SERVICE
OIL & GAS OPERATIONS
RECEIVED
MAR 14 1983
SALT LAKE CITY, UTAH

T40SR21E
Sec. 28
(U-069)

March 9, 1983

Memorandum

To: Minerals Management Service, Salt Lake City, Utah

From: Area Manager, San Juan

Subject: Trans-Western Petroleum, Inc.'s 1-28 Federal Well (U-29795)

Under 30 CFR 221.53 we are asking you to notify the operator now that they will be in default for non-compliance if reclamation has not been completed by April 1, 1983. If the deadline passes without the reclamation completed, we want the bond forfeited to pay for reclamation and the lease canceled.

We have reason to believe the operator is unable to pay for reclamation. Bond forfeiture would achieve our goals better than assessments for incidents of non-compliance. The history of efforts to have the well reclaimed follows:

11-16-81 Letter from MMS to TWP about road reclamation.

3-29-82 Letter from MMS to TWP requesting that the well be reclaimed during the fall-winter of 1982-83.

1-7-83 Letter from MMS to TWP giving deadline for seeding.

1-27-83 BLM receives call from Susan Robinson of TWP requesting information on contractors and reclamation stipulations.

1-31-83 BLM sends letter to TWP fulfilling request of 1-27-83.

2-15-83 BLM receives letter from TWP requesting change in one stipulation.

2-16-83 BLM calls TWP and approves the change.

2-28-83 BLM receives a call from Susan Robinson stating TWP would be unable to let the reclamation contract for bid before 3-15-83. BLM extends reclamation deadline to 4-1-83.

3-15-83

CONVERSATION WITH TERRY G. - DURANGO

OPERATIONS HAVE COMMENCED, NO ACTION NECESSARY ON OUR PART.

RAH

T40SR21E
Sec. 28
(U-069)

Moab District
San Juan Resource Area
P.O. Box 7
Monticello, Utah 84535

April 6, 1983

Ms. Susan Robinson
Trans-Western Petroleum, Inc.
1615 California, Suite 704
Denver, Colorado 80202

Dear Ms. Robinson:

We have inspected the reclamation of the 1-28 well and found it to be adequate. We will not release the well until vegetation has been re-established. This normally takes at least two years.

Sincerely yours,

Edward R. Schmidt

Area Manager

BWood/jb 4-4-83

BW
R.

RECD
MAR 21 1984

HOTLINE
ENERGY REPORTS, INC.

P.O. Box 2934 • Casper, Wyoming 82602 • (307) 237-1004

RECEIVED

AUG 2 1 1984

DIVISION OF OIL
GAS & MINING

August 17, 1984

Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, UT 84100

Dear Arlene,

The following is a well: Trans-western Petroleum Inc., Federal 1-28, 40S-21E sec 28, sw se 1410 fnl and 1880 fel, San Juan County, Utah. It was plugged in 1981. Apparently, it was never permitted through the state office. I think we originally picked it up from the USGS. The location was confirmed with Trans-western but we weren't able to get anymore on it.

I thought you would want to know about it and if you can get the information from the operator we would appreciate receiving anything you get.

Thank you very much.

Sincerely,

Peggy Doyle

Peggy Doyle
HOTLINE ENERGY REPORTS

bc

259-6111

Trans-Western
(303) 825-1625

OPERATOR Trans-Western Petroleum DATE 10-10-84

WELL NAME Fed. 1-28

SEC SWSE 28 T 40S R 21E COUNTY San Juan

43-037-31070
API NUMBER

Fed
TYPE OF LEASE

POSTING CHECK OFF:

9/25/84

Claudia,
This info was obtained by Pat from BLM. It is a "phantom" well that State had never permitted. This is in response to Hotline letter requesting info.

- [ ] INDEX
- [ ] NID
- [ ] MAP

PROCESSING COMMENTS:

43-037-31070 JRB

Arlene,
Just assign API # & file.
No letter will be written.

JRB

APPROVAL LETTER:

SPACING: [ ] A-3 _____ UNIT

[ ] c-3-b

SPECIAL LANGUAGE:

OPERATOR Trans-Western Petroleum DATE 10-10-84

WELL NAME Fed. 1-28

SEC SWSE 28 T 40S R 21E COUNTY San Juan

43-037-31070
API NUMBER

Fed
TYPE OF LEASE

POSTING CHECK OFF:

☐ INDEX	☐ HL	☐
☐ NID	☐ PI	☐
☐ MAP	☐	☐

PROCESSING COMMENTS:

APPROVAL LETTER:

SPACING: ☐ A-3 _____ UNIT ☐ c-3-a _____ CAUSE NO. & DATE

☐ c-3-b ☐ c-3-c

SPECIAL LANGUAGE:

- [ ] RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.
- [ ] AUTHENTICATE LEASE AND OPERATOR INFORMATION
- [ ] VERIFY ADEQUATE AND PROPER BONDING
- [ ] AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.
- [ ] APPLY SPACING CONSIDERATION
    - [ ] ORDER _____
    - [ ] UNIT _____
    - [ ] 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.