

Tenneco Oil
Exploration and Production
A Tenneco Company

Rocky Mountain Division

Penthouse
720 South Colorado Blvd.
Denver, Colorado 80222
(303) 758-7130

September 9, 1980

Mr. Ed Gynn
U.S. Geological Survey
2000 Administration Bldg.
1745 West, 1700 South
Salt Lake City, Utah 84138

Re: Tenneco USA 30-5
1600 FNL, 5000 FEL
Sec. 30, T19S, R21E
Grand County, Utah

Gentlemen:

Pursuant to NTL-6 Part II A, a preliminary environmental review is requested prior to the entry on the ground for the purpose of staking the referenced location, access road, and other surface use areas.

Please notify us at your earliest convenience of the status of approval.

Yours very truly,

TENNECO OIL COMPANY


M. L. Freeman
Staff Production Analyst

MLF/pms
Enclosure

cc: Bureau of Land Management
P.O. Box M
Moab, Utah 84532



United States Department of the Interior

IN REPLY REFER TO
3100
(U-603)

BUREAU OF LAND MANAGEMENT
Moab District
Grand Resource Area
P.O. Box M
Moab, Utah 84532

September 15, 1980

Mr. Lee Freeman
Tenneco Oil
Penthouse
720 South Colorado Federal Blvd.
Denver, CO 80222

Reference: Staking Request (PER)
Well 30-5
Section 30: T. 19 S., R. 21 E.
Grand County, Utah

Dear Mr. Freeman:

This office has no objections to staking the above referenced locations. Would you include your bond number when submitting your application to drill. In addition you should be knowledgeable that Grand County requires a permit if you plan to use a county road as a portion of your access road. You should contact the County Road Supervisor. An archaeological clearance must be obtained after staking the site(s).

Sincerely yours,

 *Michael E. Walker acting*

C. Delano Backus
Area Manager

cc:
Grand County Road Supervisor

RECEIVED
SEP 18 1980
TENNECO OIL CO.
DENVER



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Moab District
Grand Resource Area
P.O. Box M
Moab, Utah 84532

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Sincerely yours,

C. Delano Backus
Area Manager

CC:
Grand County Road Supervisor

RECEIVED

SEP 18 1980

TENNECO OIL CO.
DENVER

TENNECO OIL COMPANY - 10 POINT PLAN

1. The geological name of the surface formation: Mesa Verde
- 2 & 3. Estimated Formation Tops:

(See Attached Drilling Procedure)
4. Proposed Casing Program:

(See Attached Drilling Procedure)
5. Blowout Preventors:
Hydraulic double ram. One set of rams will be provided each size drill pipe in the hole. One set of blind rams at all times. Fill line will be 2", kill line will be 2", choke relief line will be 2". BOP's, drills and tests will be recorded in the driller's log. BOP will be tested every 24 hours and recorded in IADC Log.
6. Mud Program: (Sufficient quantity of mud and weight material will be available on location).

(See Attached Drilling Procedure.)
7. Auxiliary Equipment:
 - a. Kelly cock will be in use at all times.
 - b. Stabbing valve to fit drill pipe will be present on floor at all times.
 - c. Mud monitoring will be visual. No abnormal pressures are anticipated.
 - d. Floats at bits.
 - e. Drill string safety valve(s) to fit all pipe in drill string will be maintained on the rig floor while drilling operations are in progress.
8. Coring, Logging, and Testing Program:

(See Attached Drilling Procedure)
9. No abnormal pressures, temperatures or potential hazards such as H₂S are expected to be encountered.
10. The drilling of this well will start approximately (Nov./Dec.1980) and continue for 10 to 12 days.

Your office will be notified of spudding in sufficient time to witness cementing operations. Immediate notice will be given on blowouts, fires, spills, and accidents involving life threatening injuries or loss of life. Prior approval will be obtained before appreciably changing drilling program or commencing plugging operations, plug back work, casing repair work or corrective cementing operations.

TENNECO OIL COMPANY
ROCKY MOUNTAIN DIVISION
PENTHOUSE, 720 SOUTH COLORADO BOULEVARD
DENVER, COLORADO 80222

DRILLING PROCEDURE

DATE: October 23, 1980

LEASE: Tenneco USA

WELL NO.: 30-5

LOCATION: 1604.7' FNL, 1369.4' FWL
Section 30, T. 19S, R 21E
Grand County, Utah

FIELD: Willow Creek East Unit
Wildcat

ELEVATION: 6391.5'

TOTAL DEPTH: 5192'

PROJECTED HORIZON: Entrada

SUBMITTED BY: Tom Dunning DATE: October 23, 1980

APPROVED BY: *John W. Owen* DATE: 10/24/80

CC: Administration
DSB Well File
Field File

ESTIMATED FORMATION TOPS

Mesaverde	Surface	
Mancos	742'	
Castlegate	1042'	(Water or Gas)
Frontier	3932'	
Dakota Silt	4192'	
Dakota	4317'	(Gas)
Morrison	4467'	(Water or Gas)
Salt Wash	4707'	(Water or Gas)
Entrada	5092'	(Water or Gas)
T.D.	5192'	

DRILLING, CASING, AND CEMENT PROGRAM

1. MIRURT.
2. Set 1-3 jts. of 9 5/8" casing as needed to be used as conductor pipe.
3. Install casing head and nipple up rotating head and blosie line.
4. Drill 8 3/4" hole to 1250' or 200 feet into the Castlegate Formation.
5. Run 7", 23#, K-55, ST&C surface casing to T.D. Cement with sufficient volume to circulate cement to the surface.
6. WOC. Nipple up BOP's, rotating head, choke manifold, etc. Pressure test BOP's, manifold, etc. to 1000 psi for 15 minutes.
7. TIH and displace water in casing with air. Drill out shoe and dry up hole.
8. Drill 6 1/4" hole to T.D.
9. Log well as per G. E. Department recommendations.
10. If well is productive, run 4 1/2", 10.5#, K-55, ST&C casing to T.D. Cement with sufficient volume to cover all possible productive zones.
11. If the well is non-productive, P & A as per Regulatory Agency Specifications.

CASING PROGRAM

CONDUCTOR:	30' to 125' as needed. 9 5/8", 36#, K-55, ST&C.
SURFACE:	1250' ±, 7", 23#, K-55, ST&C
PRODUCTION:	5192' , 4 1/2", 10.5#, K-55, ST&C

MJD PROGRAM

1. Anticipate drilling entire hole with air.
2. In the event liquids are encountered, mist drilling will be attempted.
3. Should mist drilling be unsuccessful, the hole will have to be mudded up.
4. Also, if gas is encountered in sufficient volume to compromise the safety of the operations, mudding up will be required.
5. If mudding up is necessary, the following guidelines should be followed.
(1) Weight \pm 9.0 ppg. (2) Vis. as needed to clean hole. (3) W.L. 10cc or less.

EVALUATION

Cores and DST's: No cores or DST's are anticipated.

Deviation Surveys:

- 0- 1250') Surveys to be run every 500' or on trips, whichever comes first. Record surveys on IADC Drilling Report Sheet.
- 1250' -5192') Maximum allowable deviations: (1) 1^o change per 100' intervals.
(2) 2^o at surface casing setting depth
(3) 5^o at T.D.

In the event that the maximum allowable deviations are exceeded, the Denver Office of Tenneco Oil Company will be notified immediately.

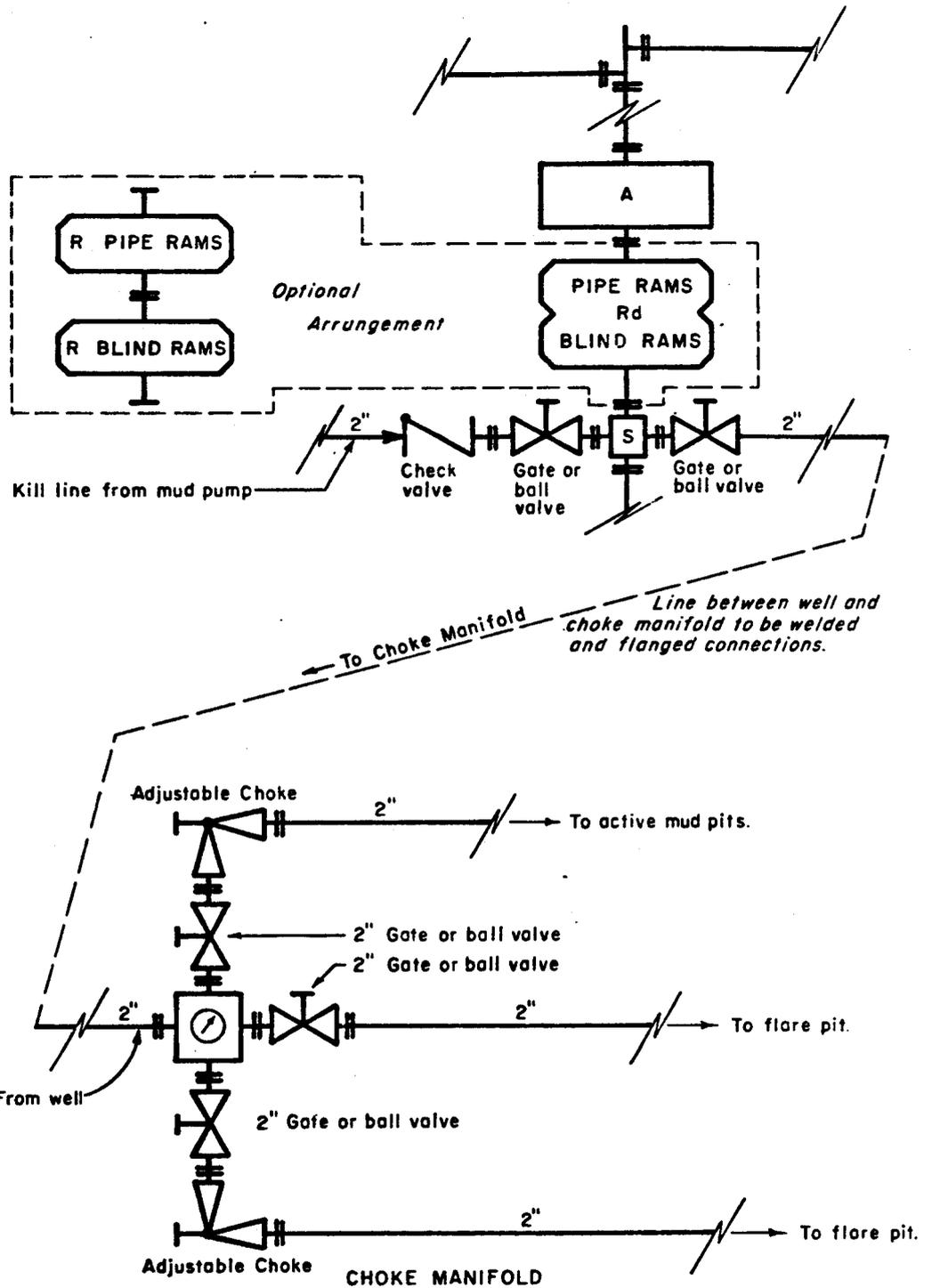
Samples: NONE.

Logs:

SNP/GR)		FDC/CHL)	
FDC/GR)	Air drilled.	DIL/LLB w/SP)	Mud Drilled.
DIL)			

BLOWOUT EQUIPMENT

1. Double ram hydraulic with pipe and blind rams operated by an accumulator.
2. Rotating head on air/mist holes.
3. Preventors must be checked for operation every 24 hours. This check MUST BE RECORDED on the IADC Drilling Report Sheet.



- All equipment to be 3,000 psi working pressure except as noted.
- Rd Double ram type preventer with two sets of rams.
 - R Single ram type preventer with one set of rams.
 - S Drilling spool with side outlet connections for choke and kill lines.
 - A Annular type blowout preventer.

ARRANGEMENT B
TENNECO OIL COMPANY
ROCKY MOUNTAIN DIVISION
REQUIRED MINIMUM
BLOWOUT PREVENTER AND
CHOKER MANIFOLD

I. EXISTING ROADS

A. Proposed Well Site Location: See Exhibit 1

B. Planned Access Route: See Exhibits 2, 4 & 5.

C. Access Road Labelled:

Color Code: Red - Improved surfaced roads
Blue - New access road to be constructed

D. Not applicable, the proposed well is a development well.

E. The existing roads are shown in Exhibits 2, 4 & 5.

F. Existing Road Maintenance or Improvement:

The existing road will not require improvement. However, this road, along with the new access road, may require occasional grading to return the road surface to a cross section necessary for proper drainage.

II. PLANNED ACCESS ROUTE

A. Route Location - (See Exhibits 4 and 5)

The planned new access route was selected to provide the shortest distance to the well site with acceptable grades from the main connector road. Existing access will be used initially. If the facility is productive, the temporary road will be improved as follows:

1. Width:

The average dirt width will be twenty feet. The average traveled surface width will be twenty feet. Road construction will be in accordance with typical roadways requested by the U.S. Bureau of Land Management.

2. Maximum Grades:

Grades will be kept to a minimum using all available engineering techniques. It is, however, impossible to give a percent grade until the road has been aligned to the satisfaction of the surface management agency. We will have grades that are safe and passable under adverse weather conditions and that utilize the existing topography and surface geological conditions.

3. Turnouts: Turnouts are not required

4. Drainage Design:

Prior to improvement of the existing road, the brush and topsoil will be windrowed to each side of the alignment outside construction limits. The subgrade surface will be a minimum elevation of one foot above ditch grade. The road surface will be center crowned and the inslopes will have a maximum slope of 3:1 and fill slopes will be a maximum of 2:1.

5. Culverts Use, Major Cuts and Fills: Culverts will be placed as needed and suggested by the BJM.

Max: cut - }
Max: fill - } Minor improvements to existing road.

6. Surfacing Material:

The proposed permanent access road will be constructed with native material.

7. Gates, Cattleguards, Fence Cuts: Not needed.

8. The road is existing, therefore will not require flagging.

III. LOCATION OF EXISTING WELLS

The proposed well is a development well. Exhibit 6 shows existing wells within a one mile radius.

- A. Water Wells: None
- B. Abandoned Wells: See Exhibit 6
- C. Temporarily Abandoned Wells: None
- D. Disposal Wells: None
- E. Drilling Wells: None
- F. Producing Wells: ~~See Exhibit~~ None
- G. Shut-In Wells: None
- H. Injection Wells: None
- I. Monitoring or Observation Wells: None.

IV. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

A. Existing facilities within one mile 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. New facilities in the event of production:

1. New facilities: May consist of a well head, condensate tank, production unit, meter house, all of which would remain within the disturbed area. Exhibit 8 shows our most typical arrangement for this area.
2. Dimensions of the facilities are shown in Exhibits 2 and 3 .
3. Construction will be to strip the topsoil, level drilling pad. Dehydrator pits will be constructed with soil materials native to the site. Construction methods will be employed to assume that no drainage flows are impounded to prevent the loss of any hydrocarbon from the site. This is to be done in a manner to facilitate rapid recovery and clean up.
4. Protective measures to protect wildlife and livestock: Dehydrator pits shall be overhead flagged should any hydrocarbon material be present on the surface. The dehydrator pits shall be fenced to prevent entry of livestock or wildlife.

C. Plan for rehabilitation of disturbed areas no longer need for operations after construction completed:

Upon completion of well, areas required for continued use will be graded to provide drainage and minimize erosion. Those areas not required for continued usage will be graded to provide drainage and minimize erosion. Those areas unnecessary for use will be graded to blend with the surrounding topography. Topsoil will be replaced on those areas and seeded according to BLM specifications.

V. LOCATION AND TYPE OF WATER SUPPLY

- A. The water source is to be from a legal private source.
- B. Water transportation system: Water to be hauled in trucks from an undetermined pick up point.
- C. Water wells: None

VI. SOURCE OF CONSTRUCTION MATERIALS

A. Materials:

Construction materials will consist of soil encountered with the boundaries of the proposed site. Topsoil will be stripped to a depth of six inches and stockpiled in an area that does not interfere with operations.

B. Land Ownership:

The planned site and access roads lie on Federal land administered by the United States Department of Interior, U.S. Bureau of Land Management.

C. Materials foreign to site: N/A

D. Access road shown under Exhibits 2, 4 & 5.

VII. METHODS OF HANDLING WASTE MATERIALS

A. Cuttings:

Will be contained within the limits of the reserve pit.

B. Drilling fluids:

Will be retained in the reserve pit.

C. Produced fluids:

No substantial amount of water is expected. The amount of hydrocarbon that may be produced while treating will be retained in the reserve pit. Prior to clean up operations the hydrocarbon materials will be skimmed or removed as the situation would dictate.

D. Sewage:

Sanitary facilities will consist of at least one chemical toilet and after the completion of operations the sewage will be removed and disposed of elsewhere.

E. Gargage:

A burn cage will be used to burn all flammable material. The small amount of refuse will be removed from the site and disposed of at a legal and environmentally acceptable location.

F. Clean up of well site:

After drilling, the surface of the drill pad will be cleaned and graded to accommodate a completion rig. The "mouse hole" and "rat hole" will be backfilled to prevent injury and hazard for livestock. Reserve pit will be fenced until dry and it can be backfilled and restored to natural terrain.

VIII. ANCILLARY FACILITIES

None required.

IX. WELL SITE LAYOUT

A. See Exhibits -

1. Location of pits: Exhibit 2
2. Rig Orientation: Exhibit 3

B. Pits will be unlined, unless otherwise required.

X. PLANS FOR RESTORATION OF SURFACE

A. Reserve Pit Cleanup:

The pit will be fenced prior to rig release and shall be maintained until cleanup. Prior to backfill operation, any hydrocarbon material on the pit surface will be removed. The fluids and solids contained in the pit shall be backfilled with soil excavated from the site and with soil adjacent to the reserve pit. The restored surface of the reserve pit will be contoured to prevent impoundment of any drainage flows. The gradient of the surface will be maintained to prevent sudden acceleration of drainage flows which could cause continued erosion of the surface. Following backfill completion, topsoil removed from the disturbed areas will be replaced in a uniform layer. The reserve pit will be seeded per Bureau of Land Management recommendation during the appropriate season following final restoration of the site.

B. Restoration Plans - Production Developed:

The reserve pit will be backfilled and restored as described under Item A. In addition, those disturbed areas not required for production will be graded to blend with the surrounding topography. Topsoil will be placed on these areas and seeded. The portion of the drill pad required for production and turning areas will be graded to minimize erosion and provide access to production facilities under inclement conditions. Following final improvement and surfacing of that portion of new access road, the topsoil windrowed to each side of the alignment will be placed on the cut slopes. Following depletion and abandonment of the site, restoration procedures will be those that follow under Item C.

C. Restoration Plans - No Production Developed:

Of course the reserve pit will be restored as described above. With no production developed, the entire surface disturbed by construction of the drilling pad will be restored to its natural terrain and reseeded per Bureau of Land Management requirements.

XI. OTHER INFORMATION

- A. **Surface Description:** The proposed site is located in the Book Cliffs Range up a drainage named Nash Wash. The topography is very broken, sandstone mesas with many erosional gullies. The soil is sandy clay, fractured sandstone. The principal vegetation types are pinon, juniper, sage, rabbitbrush, cactus and native grasses.
- B. **Other Surface-use Activities:** The surface is federally owned and managed by the BLM/USGS. The predominant surface use is mineral exploration and production with minimal grazing activity.
- C. **Proximity of Water, Dwelling, Historical Sites:**
1. **Water:** a spring exists 2 miles south
 2. **Occupied Dwellings:** Not existing.
 3. **Historical Sites:** An archaeological reconnaissance has been performed for this location and report is on file with the appropriate USGS/BLM offices.

XII. OPERATOR'S REPRESENTATIVE

Field personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

Donald Barnes
P.O. Box 3249
Englewood, Colorado 80155
Phone: (303) 740-4814

M. L. Freeman
P.O. Box 3249
Englewood, Colorado 80155
Phone: (303) 740-

XIII. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions as they actually exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the proposed work performed by Tenneco Oil Company and its contractors and sub-contractors will conform to this plan.

DATE: October 29, 1980


M. L. Freeman
Staff Production Analyst

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Tenneco Oil Company

3. ADDRESS OF OPERATOR
 P.O. Box 3249, Englewood, Colorado 80155

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 - At surface 1604.7 FNL, 1369.4FWL **SE NW**
 (1605' FNL)
 At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.
 U-0149777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 Willow Creek East

8. FARM OR LEASE NAME
 Tenneco

9. WELL NO.
 30-5

10. FIELD AND POOL, OR WILDCAT
 Entrada Test **W Act**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 30, T19S, R21E

12. COUNTY OR PARISH
 Grand

13. STATE
 Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 see Exhibit 4

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

16. NO. OF ACRES IN LEASE
 520

17. NO. OF ACRES ASSIGNED TO THIS WELL
 360

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

19. PROPOSED DEPTH
 5192 **Entrada**

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6391.5' GR

22. APPROX. DATE WORK WILL START*
 Nov./Dec. 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4"	7" new	23# K55	±1250'	Circulate to surface
6 1/4"	4 1/2" new	10.5# K55	±5192'	Cover all possible zones

Set 1-3 joints of 9 5/8" casing as conductor pipe.
 Preliminary Environmental Review - See Exhibits 9, 10 & 11.
 Archaeological Survey Completed.
 Willow Creek East Unit.

See attached information.

cc Glen Doyle, U.S.G.S., Grand Junction, Colorado
 Elmer Duncan, BLM, Moab, Utah

APPROVED BY THE DIVISION
 OF OIL, GAS, AND MINING
 DATE: 11-7-80
 BY: M. L. Freeman

RECEIVED

NOV 3 1980

DIVISION OF
 OIL, GAS & MINING

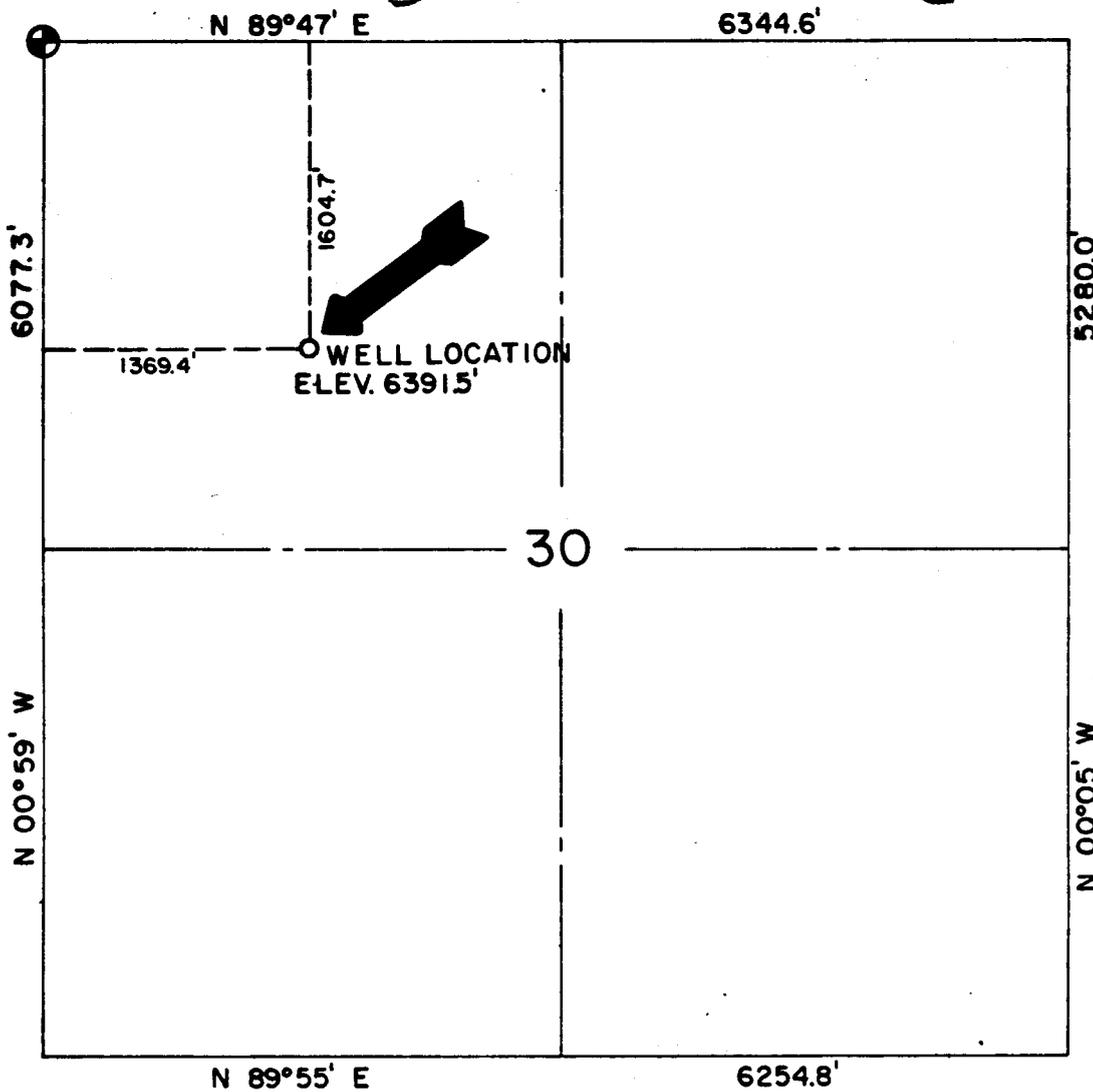
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give all relevant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

24. SIGNED M. L. Freeman TITLE Staff Production Analyst DATE October 29, 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____



BEARING BY
SOLAR OBSERVATION

⊕ FOUND USGLO
BRASS CAP

WELL LOCATION
1604.7 FT. S.N.L. - 1369.4 FT. E.W.L.
SECTION 30, T. 19 S., R. 21 E., SLB & M
GRAND COUNTY, UTAH

SURVEYOR'S CERTIFICATE

I, Edward A. Armstrong, a registered land surveyor in the State of Utah, do hereby certify that this survey was made under my direct supervision and that this plat represents said survey.

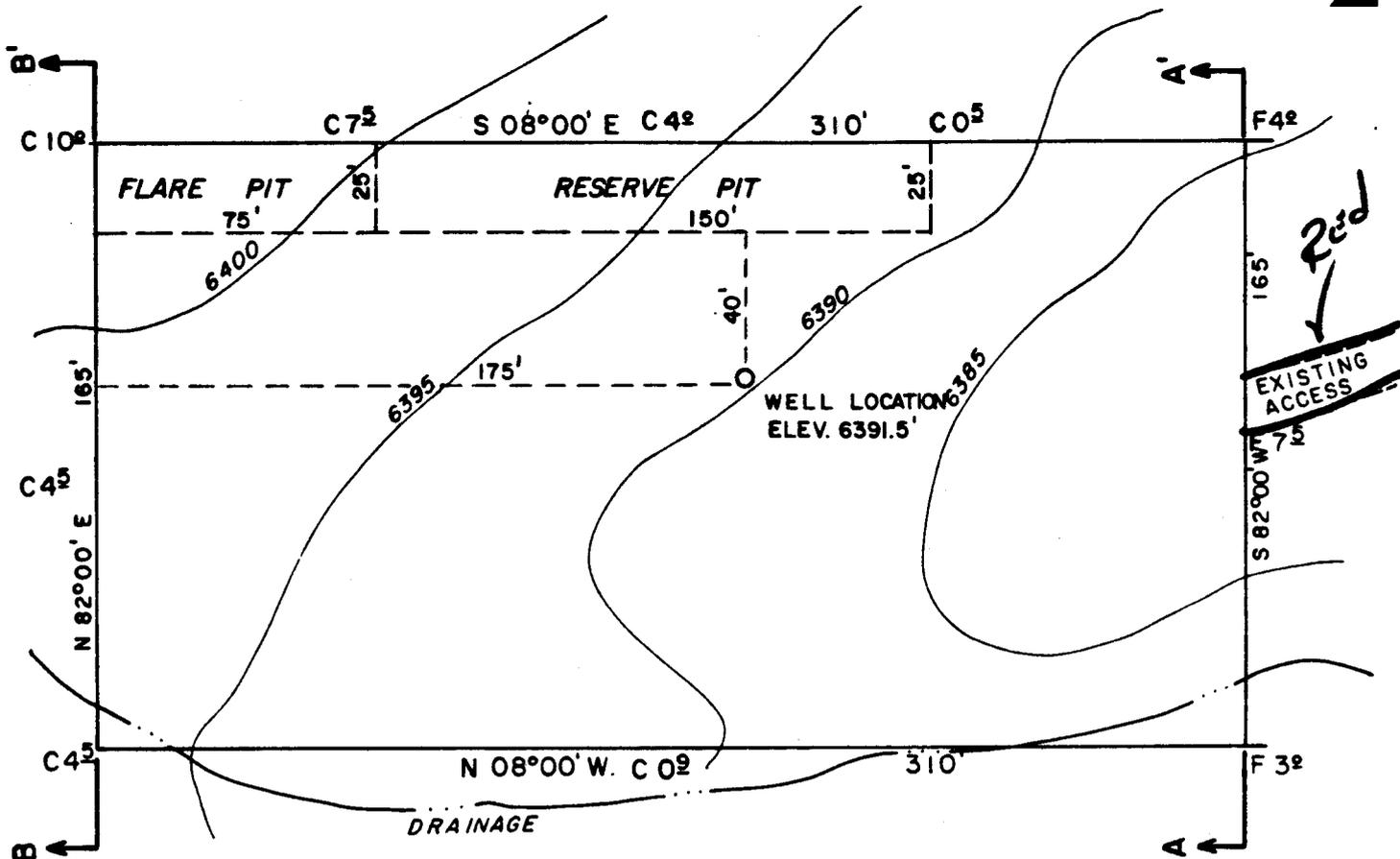
Edward A. Armstrong
EDWARD A. ARMSTRONG P.E. & L.S. 4464



	ARMSTRONG ENGINEERS and ASSOCIATES, INC. ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING 861 ROOD AVENUE - GRAND JUNCTION, COLORADO 81501 - (303) 245-3861	
	SCALE 1" = 1000' DATE 10/3/80 DRAWN BY MEL CHECKED BY EAA DATE OF REVISION 10/1/80	TENNECO OIL TENNECO USA 30-5
	SHEET 1 of 5	
	JOB NUMBER 803031	

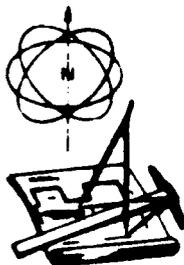
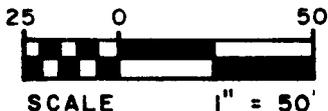
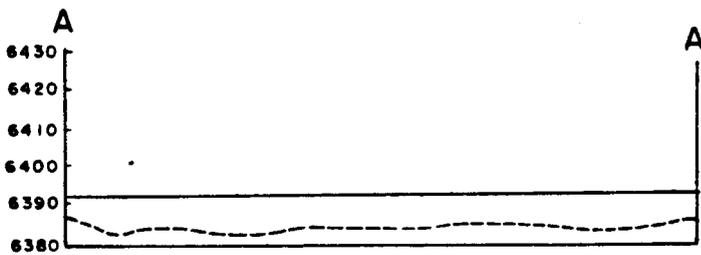
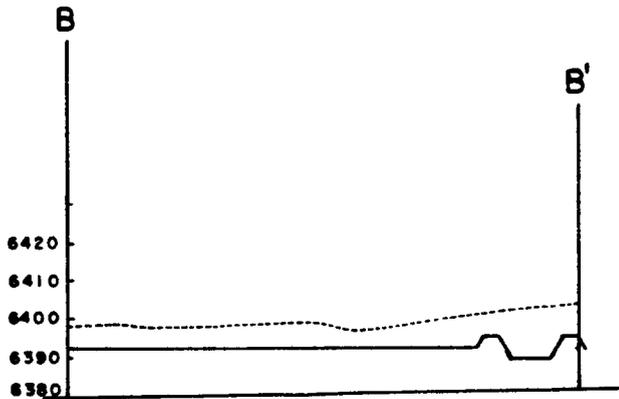
PAD TOPOGRAPHY

2



CUT/FILL

CUT = 3723 cu. yds.
 FILL = 2378 cu. yds.



ARMSTRONG ENGINEERS and ASSOCIATES, INC.
 ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING
 861 ROOD AVENUE -- GRAND JUNCTION, COLORADO 81501 -- (303) 245 3861

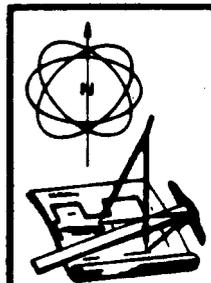
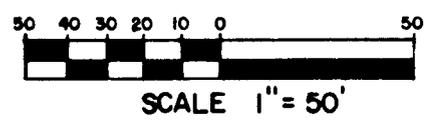
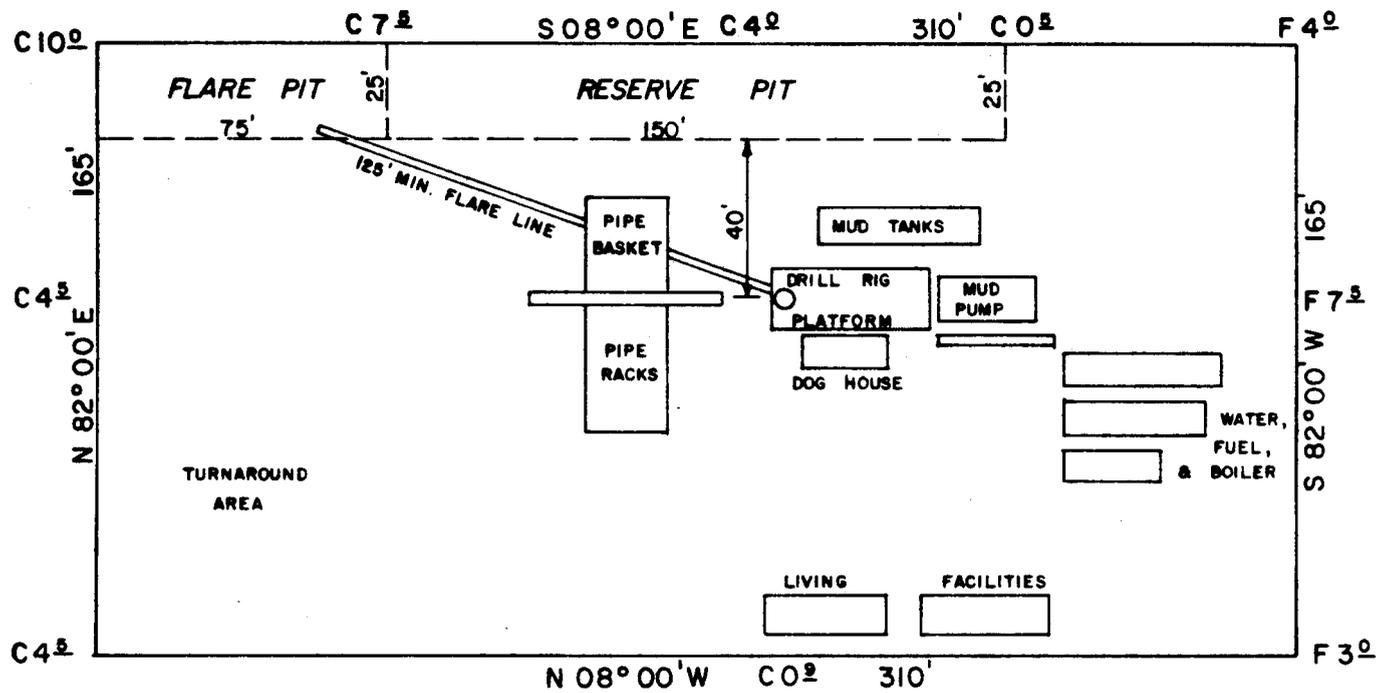
DATE 10-3-80
 DRAWN BY MEL
 CHECKED BY EAA
 DATE OF PRINT 10-1-80

TENNECO OIL
 TENNECO USA 30-5

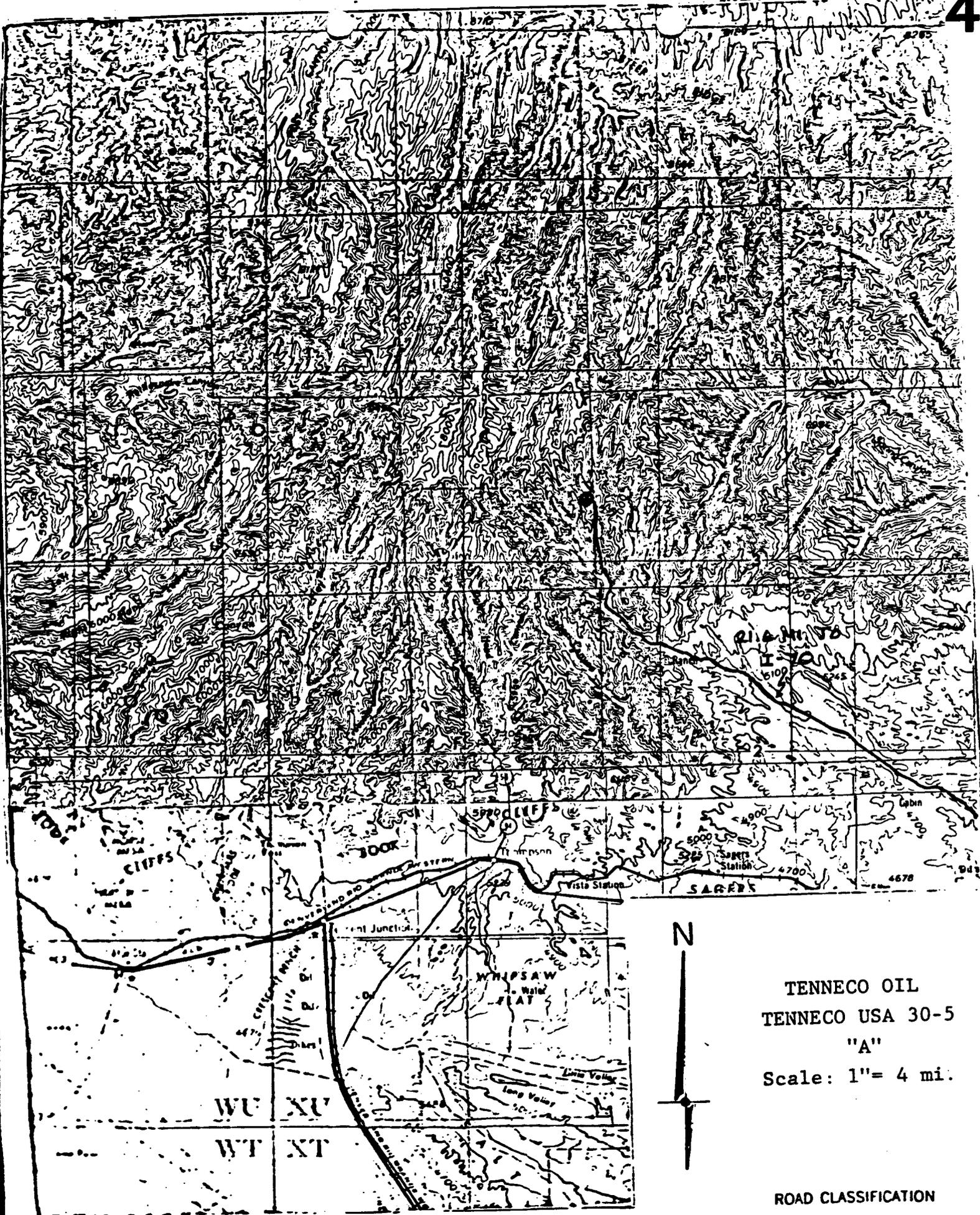
SHEET 2 of 5

JOB NUMBER
 803031

RIG LAYOUT



ARMSTRONG ENGINEERS and ASSOCIATES, INC. ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING 861 ROOD AVENUE - GRAND JUNCTION, COLORADO 81501 - (303) 245-3861	
SCALE 1" = 50'	TENNECO OIL
DATE 10-3-80	TENNECO U.S.A. 30-5
DRAWN BY M.E.L.	
CHECKED BY E.A.A.	
DATE OF ISSUE 10-1-80	SHEET 3 of 5
	JOB NUMBER 803031

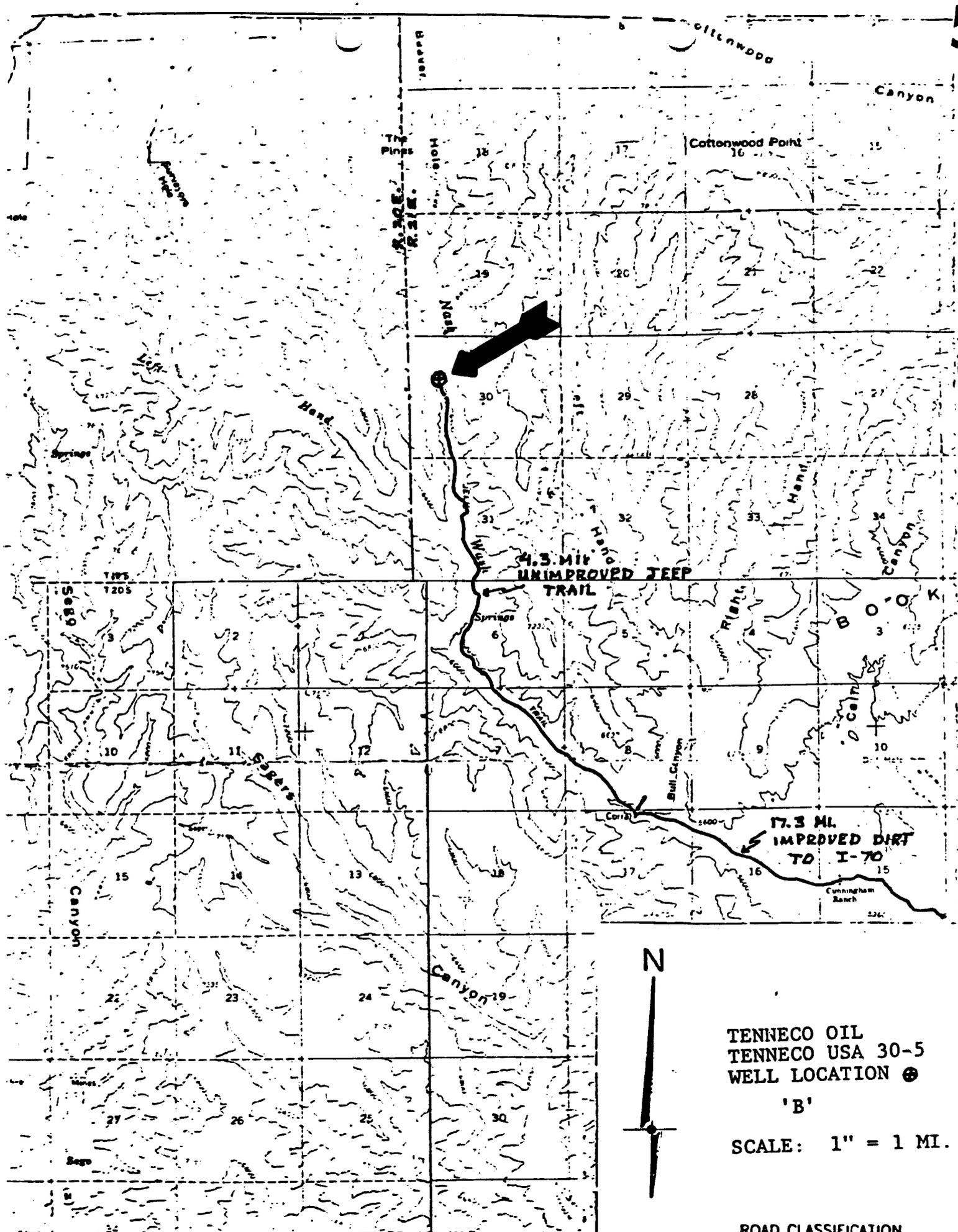


TENNECO OIL
 TENNECO USA 30-5
 "A"
 Scale: 1" = 4 mi.



ROAD CLASSIFICATION

Light-duty ————— Unimproved dirt - - - - -

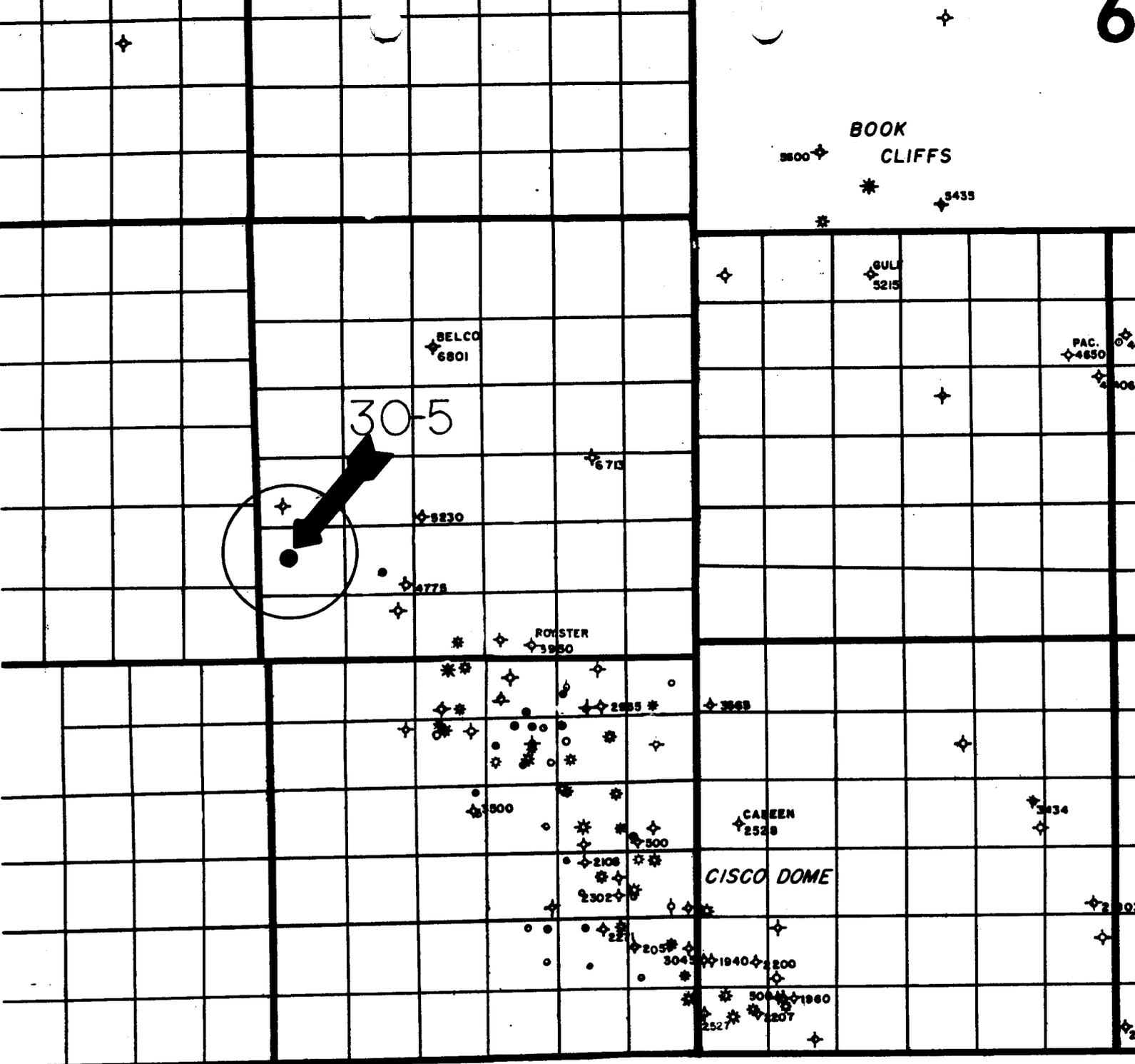


TENNECO OIL
 TENNECO USA 30-5
 WELL LOCATION ⊕
 'B'

SCALE: 1" = 1 MI.

ROAD CLASSIFICATION

Light-duty ——— Unimproved dirt - - - - -



R20E

R21E

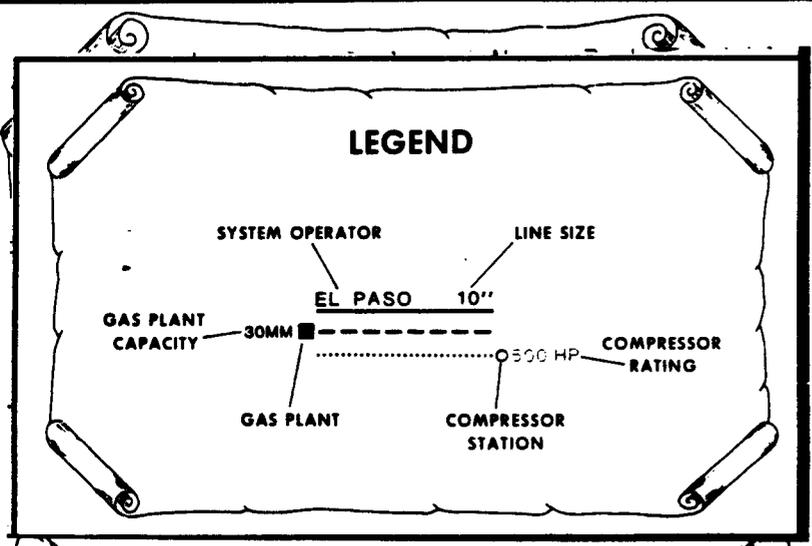
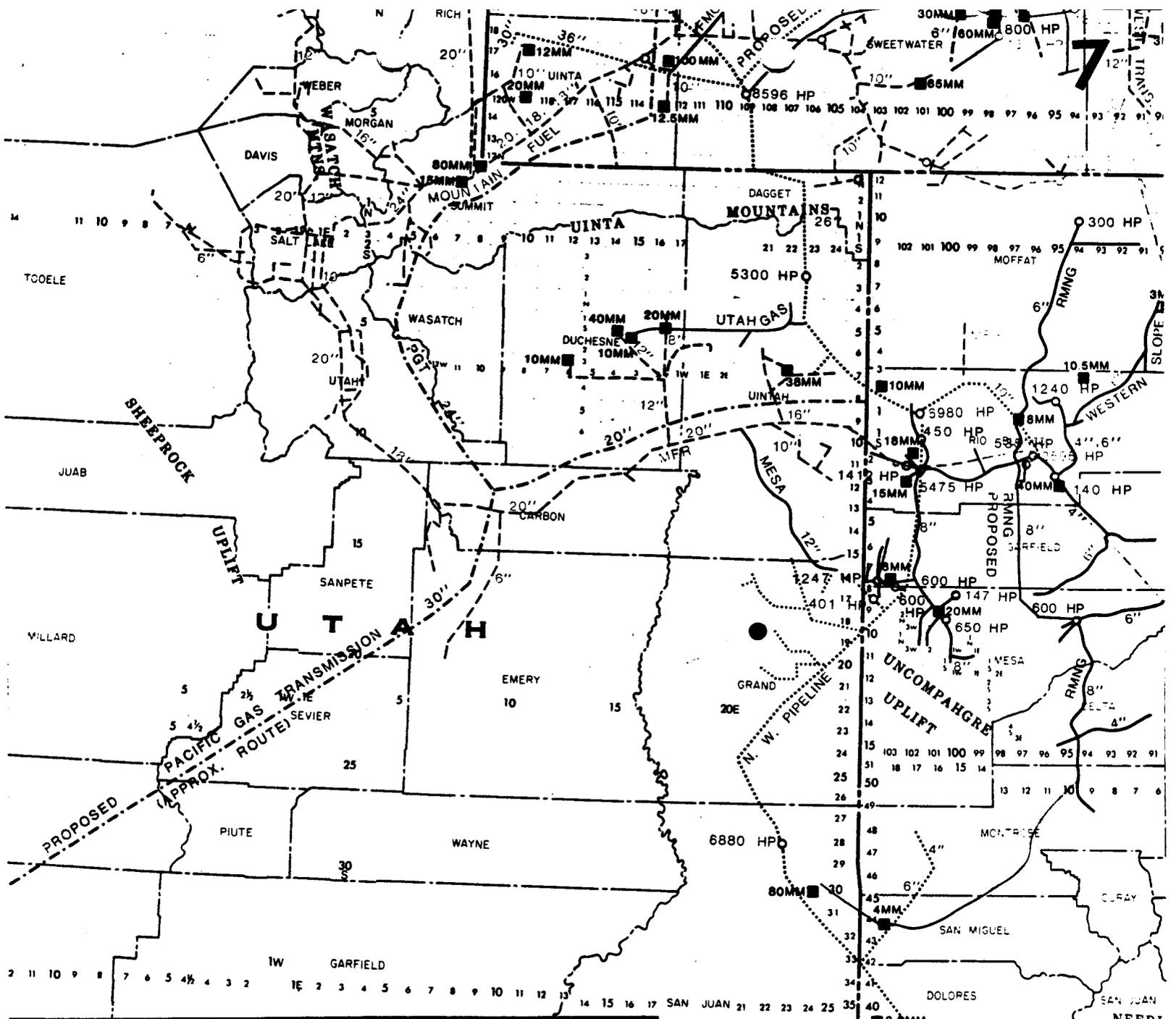
R22E

LEGEND

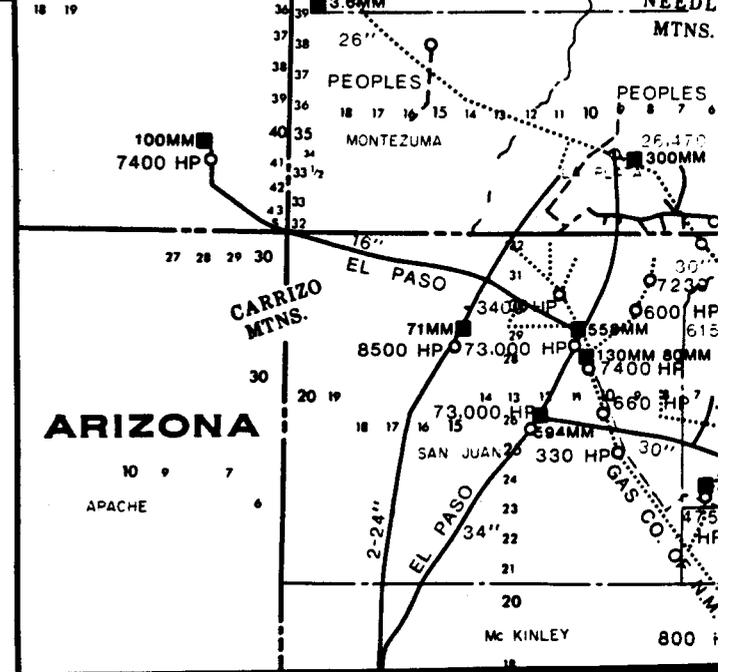
- Location or Drilling Well
- Oil Well
- ☆ Gas Well
- ◇ Dry Hole

APR 16 1980

Scale: 1"=2 Miles



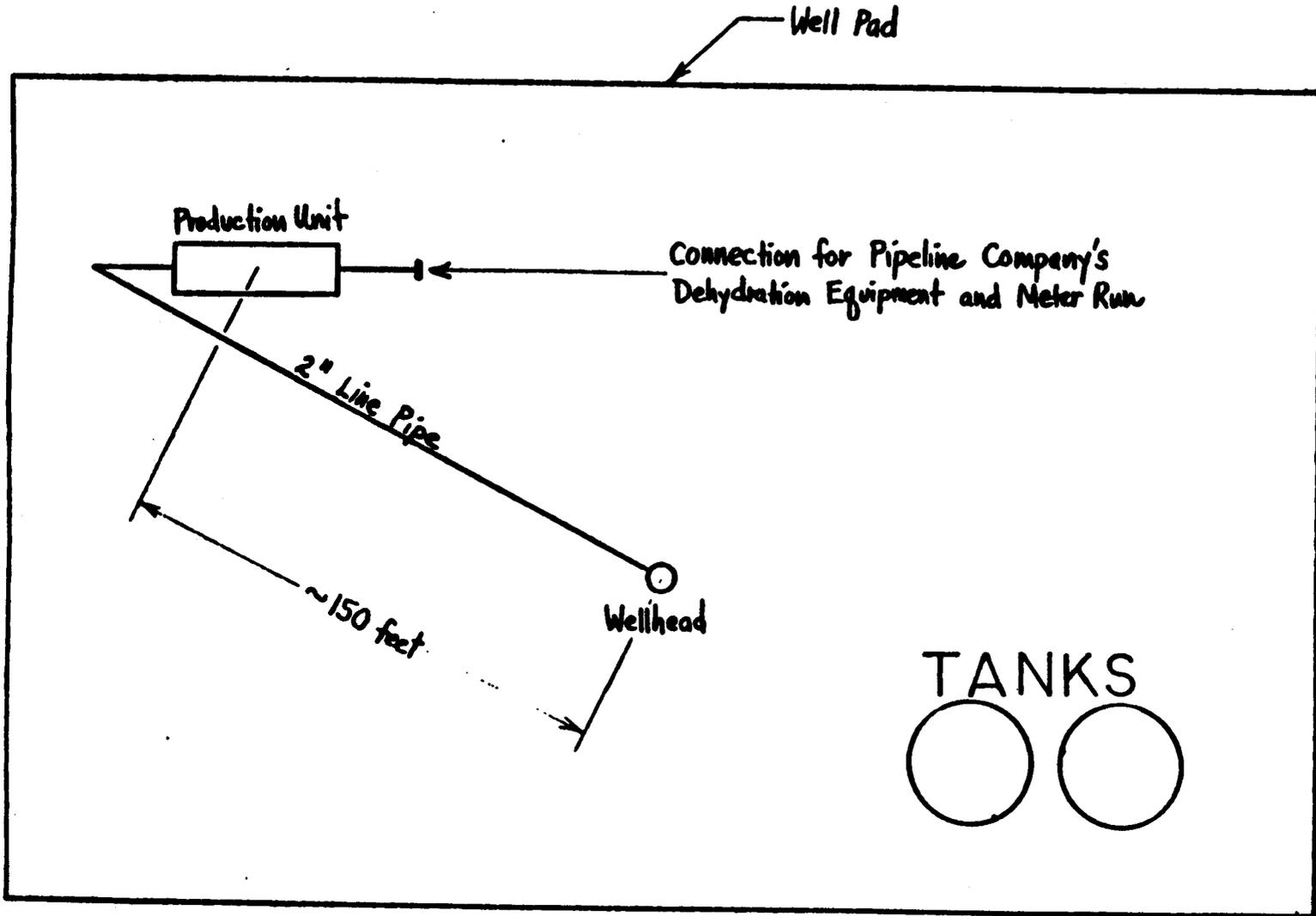
© 1980 WESTERN OIL REPORTER
DRAFTING BY TERRA GRAPHICS



ARIZONA

Mc KINLEY 800

PROBABLE EQUIPMENT INSTALLATION



NOT TO SCALE

** FILE NOTATIONS **

DATE: Nov. 5, 1980
OPERATOR: Tenneco Oil Company
WELL NO: Willow Creek East UN. 30-5
Location: Sec. 30 T. 19S R. 21E County: Grand

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-019-30745

CHECKED BY:

Petroleum Engineer: M. J. Minder 11-7-80

Director: _____

Administrative Aide: approved in Unit for all formations

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. _____

O.K. Rule C-3

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

Lease Designation Sec.

Plotted on Map

Approval Letter Written

Hot Line

P.I.

November 18, 1980

Tenneco Oil Company
P. O. Box 3249
Englewood, Colorado 80155

Re: Well No. Willow Creek East Unit 30-5
Sec. 30, T. 19S, R. 21E
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

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

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

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

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

The API number assigned to this well is 43-019-30745.

Sincerely,

DIVISION OF OIL, GAS, AND MINING



Michael T. Minder
Petroleum Engineer

/ka
cc: USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
APR 3 1981

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1604 FNL, 1369 FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: same

5. LEASE
U - 0149777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Willow Creek East

8. FARM OR LEASE NAME
Tenneco

9. WELL NO.
30-5

10. FIELD OR WILDCAT NAME
Entrada Test

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 30, T19S, R21E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.
43-019-30745

15. ELEVATIONS (SHOW DF, KDB, AND WD)
Ground 6391.5'

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

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

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

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

We respectfully request that the name of this well be changed to the Willow Creek East Unit #30-5.

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

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

SIGNED: R.A. Mishler TITLE Sr. Prod. Analyst DATE March 31, 1981
R.A. Mishler

(This space for Federal or State office use)

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

DUPLICATE
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 42-R1425.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
OIL WELL GAS WELL OTHER
SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 3249, Englewood, Colorado 80155

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface: 604.7 FNL, 1369.4FWL
At proposed prod. zone: 1605' 1394' *Location change*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
see Exhibit 4

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

16. NO. OF ACRES IN LEASE
520

17. NO. OF ACRES ASSIGNED TO THIS WELL
360

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

19. PROPOSED DEPTH
5192

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6391.5' GR

22. APPROX. DATE WORK WILL START*
Nov./Dec. 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4"	7" new	23# K55	±1250'	Circulate to surface
6 1/4"	4 1/2" new	10.5# K55	±5192'	Cover all possible zones

Set 1-3 joints of 9 5/8" casing as conductor pipe.
Preliminary Environmental Review - See Exhibits 9, 10 & 11.
Archaeological Survey Completed.
Willow Creek East Unit.

See attached information.

cc Glen Doyle, U.S.G.S., Grand Junction, Colorado
Elmer Duncan, BLM, Moab, Utah

RECEIVED
APR 13 1981

DIVISION OF
OIL, GAS & MINING

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

24. SIGNED M. L. Freeman TITLE Staff Production Analyst DATE October 29, 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY W.D. Mouton FOR E. W. GUYNN DISTRICT ENGINEER DATE APR 09 1981

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

NOTICE OF APPROVAL

*See Instructions On Reverse Side

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

State Oil & Gas

Production Facilities and Flowline NOT Approved

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

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name Tenneco Willow Creek East No. 30-5
Project Type Wildcat Unit Obligation Gas Test
Project Location ¹⁶⁰⁵ ~~1604.7~~' FNL ¹³⁹⁴ ~~1369.4~~' FWL Sec. 30, T19S, R21E, Grand Co., UT
Date Project Submitted November 3, 1980

FIELD INSPECTION Date December 22, 1980

Field Inspection

Participants Bob Mishler Tenneco
Dallas Galley, Leonard Lewis Galley Construction
Jeff Robbins, Mical Walker Bureau of Land Management
Glenn Doyle U. S. Geological Survey

Typing In & Out: 1/26/80

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.

January 9, 1981
Date Prepared

Glenn M. Doyle
Environmental Scientist

I concur

3/6/81
Date

E. W. Long
District Supervisor

Rec 3/5/81

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety					1, 2			12-22-80	
2. Unique characteristics					1, 2				
3. Environmentally controversial					1, 2				
4. Uncertain and unknown risks						4			
5. Establishes precedents					1, 2		6		
6. Cumulatively significant					1, 2				
7. National Register historic places	1 - 2/18/81								
8. Endangered/threatened species	1 - 2/18/81								
9. Violate Federal, State, local, tribal law						4			3

See site-specific stipulations attached.

COMMON REFERENCE LIST

NEPA Categorical Exclusion Review

1. SMA Input
2. Reviews, reports, or information received from Geological Survey (CD, GD, WRD, TD).
3. Lease Stipulations/Terms
4. Application to Drill
5. Operator correspondence
6. Field observation
7. Private Rehabilitation Agreement

Site-Specific Stipulations

1. Rotate the location 180° in order to aim the blooie line away from the existing access.
2. Move the location 25' due east to avoid impacting the wash to the west (Nash Wash).
3. Fence reserve pit on three sides prior to drilling and on the fourth side once the rig moves off.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

IN REPLY REFER TO

3109
U-0149777
Willow Creek Uni

Environmental Considerations of the Proposed Action:

FLPMA (IMP) Governs lands under wilderness review:

1. During the inventory (which was completed 11/80)
2. While the inventory is under protest - unit by unit basis (which this unit is) (now)
3. While the inventory is under appeal - unit by unit basis (which this might be)
4. Within a WSA (not the unit)

At such time as the status of an area changes, it must be reassessed as to whether conditions of FLPMA (IMP) still apply.

Ramifications

Valid exist rights - Since this is a pre-FLPMA lease it is subject to valid exist rights, as set forth in the lease. (See IMP. p. 12 7b).

"Grandfathered uses" - If actual physical impacts had taken place prior to FLPMA, on the lease (not just the specific area under review), and if activities were being conducted as of the date of FLPMA, the lease is subject to "grandfathered" uses (IMP. 7b., p. 12; 6, p. 11).

Post - FLPMA uses - If lease is post-FLPMA, is not subject to either of above. (IMP. p. 14).

Possibilities: (mitigations)

- If valid exist rights were present but no activity had taken place as of FLPMA:
Have to follow "Non-impairment" clause (IMP. p. 9, p. 12).
- If valid exist rights were present, activities had accrued prior to FLPMA, but were abandoned as of FLPMA:
Have to follow "Non-impairment" clause (IMP. p. 9, p. 12).
- If valid existing rights were present, impacts had occurred, activities were on going as of FLPMA, or were temporarily delayed due to market conditions, etc.:
Is "grandfathered use" (IMP. p. 9, p. 12, p. 8, p. 11).
- If it is covered by "grandfathered" uses:
Is covered by "manner and degree" per FLPMA (IMP. p. 8) (p. 12; 6c)
Is covered by "logical pace and progression" (IMP. p. 8)
Is subject to "unnecessary or undue degradation clauses" of FLPMA (IMP. p. 11 6.a.)
- If it is not subject to regulation under FLPMA:
Can conduct business as usual.

Alternatives via NEPA

1. No Action - Do not allow drilling to take place.
2. Limited Action - Allow exploratory drilling but not development.
3. Full Action - Allow exploratory drilling and production.

Alternatives Involve the Following: (ramifications)

Under FLPMA, lease subject to either:

1. Valid existing rights.
2. "Grandfathered" uses.
3. Post-FLPMA uses.

Possibilities: (mitigations)

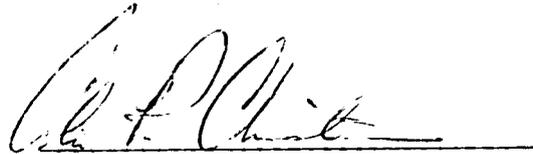
1. "Non-impairment" - IMP (FLPMA)
2. "Undue & unnecessary degradation" - IMP (FLPMA)
3. Business as usual - non-IMP (not subject to FLPMA)

Consequences:

- Alt. 1 - probably illegal since it is a pre-FLPMA lease. Would have to apply (and BLM grant) for extension of lease, or suspension.
- Alt. 2 - possibly illegal since it is a pre-FLPMA lease, subject to valid existing rights, "grandfathered" uses, etc. which involves "logical pace and progression."
- Alt. 3 - acceptable since it is a pre-FLPMA lease subject to rights as stated in Alt. 2 above. Would be subject to mitigation.

Recommended Alternative:

Alternative 3, with ramification 2, subject to mitigation 2.



AREA MANAGER



United States Department of the Interior

IN REPLY REFER TO

3109
(U-603)

BUREAU OF LAND MANAGEMENT

Moab District
Grand Resource Area
P.O. Box M
Moab, Utah 84532

FEB 17 1981

Memorandum

To: Oil & Gas Office, USGS Conservation Division
P.O. Box 3768
Grand Junction, CO 81502

From: Area Manager, Grand

Subject: Application to Drill: U-0149777
Tenneco Oil Co.
Well: 30-5
Section 30, T. 19 S., R. 21 E.
Grand County, Utah

On December 20, 1980, a representative from this office met with Glenn Doyle, USGS, and Bob Mishler agent of the Tenneco Oil Co. for an inspection of the above referenced location. Subject to the attached conditions and an approved application to drill from the USGS, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has been fulfilled on this location. No threatened or endangered flora or fauna are indicated in the area.

The lessee is advised that this lies within a wilderness inventory unit under protest, and as such is subject to certain regulation under the Federal Land Policy and Management Act of 1976 (FLPMA). These regulations are set forth in the Interim Management & Policy (IMP). Because this unit is under protest its status may change without prior notice to the User. This WSA is subject to IMP until such time as Congress determines it shall be designated as Wilderness or drops the area from further consideration.

Please forward the enclosed information to Tenneco Oil Co.

Enclosures: (3)
1-Reclamation Procedures
2-Suggested Color Hues
3-Environmental Considerations

U. S. GEOLOGICAL SURVEY
OIL AND GAS OPERATIONS
RECEIVED

FEB 18 1981

GRAND JUNCTION, COLORADO

STIPULATIONS FOR TENNECO OIL'S 30-5

AGREED UPON AT THE PRE-WORK CONFERENCE

- 1) Contact the BLM office at least 48 hours prior to beginning construction on the access road and well pad.
- 2) If changes need to be made relating to the excavation of the site, the USGS and/or the BLM must be notified prior to making any deviation from the approved permit to drill.
- 3) Twelve to twenty inches of topsoil will be stockpiled at the northeast corner of the well pad.
- 4) The flare pit was moved to the Southeast corner of the pad during the pre-work conference.
- 5) Because there is a wash along the Western edge of the well pad layout, the western edges of the pad will be rounded so as not to impinge into the wash.
- 6) Because of the nature of the soils and the physiography of the location, excavation of the site will not be permitted until May 1st, unless otherwise authorized by the Grand Resource Area Manager.
- 7) If the location is to be plugged and abandoned, the operator will notify the BLM when they intend to restore the location and at the time they intend to re-seed the site.
- 8) The Grand Resource Area will be contacted when it becomes necessary to obtain the suitable seed mixture.
- 9) Rotate the location 180⁰ in order to aim the blooie line away from the existing access.
- 10) Move the location 25' due east to avoid impacting Nash Wash (perennial drainage) to the west.

RECLAMATION PROCEDURES IN GRAND RESOURCE AREA

1. Disk or rip pads and access roads.
 - a. Overlap passes in order to insure complete treatment.
2. Contour pads and access roads.
 - a. Lay berms into centers.
 - b. Use cut material for fill areas.
 - c. Lay stockpiled surface soil over top of pads and spread evenly.
 - d. On highly erosive soils, it may be more beneficial to grade slopes to reduce steepness.
 - e. Do not smooth pads out, leave a roughened surface. On steeper slopes and slopes with clayey soils scarify or serrate the ground in order to increase water infiltration and reduce erosion.
3. Water bar roads where required by this office.

* 2 percent	Grade	-	200 ft. intervals
2-4 percent	Grade	-	100 ft. intervals
4-5 percent	Grade	-	75 ft. intervals
5 percent	Grade	-	50 ft. intervals

* Actual spacing may vary according to soil stability. Lighter textured soils will require more frequent water bars. When natural drainage ways are present, water bars are to be constructed to make maximum use of them. Plan operations so that natural drainage ways do not become blocked.
4. Seed roads and pads in the fall (Oct. through mid-Dec.).



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

IN REPLY REFER TO

SUGGESTED COLORS TO PAINT OIL & GAS PRODUCTION FACILITIES

Cisco Desert and Flats below the Bookcliffs:

Dynasty Green	(Sears)
Tumbleweed	(Pratt & Lambert)
Desert Tan	-----
Sage Gray	(Pratt & Lambert)

Bookcliffs Region:

Sage Gray	(Pratt & Lambert)
Sea Life	(Pratt & Lambert)
Dynasty Green	(Sears)

Similar hues other than the ones mentioned above must be approved by the Grand Resource Area Manager.

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1604'FNL, 1369'FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

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

5. LEASE
U-0149777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Willow Creek East Unit

9. WELL NO.
30-5

10. FIELD OR WILDCAT NAME
Entrada Test

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 30, T19S, R21E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.
43-019-30745

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6391.5' ground

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

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

Original projected total depth was 5192'.

We request approval to extend this depth to 5400'.

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

DATE: 5-22-81
BY: M.S. Mendon

MAY 15 1981

DIVISION OF
OIL, GAS & MINING

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

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

SIGNED Carley Watkins TITLE Asst. Div. Adm. Mgr. DATE May 12, 1981

(This space for Federal or State office use)

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1604' FNL 1369' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

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

SUBSEQUENT REPORT OF:

5. LEASE
U-0149777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Willow Creek East Unit

9. WELL NO.
30-5

10. FIELD OR WILDCAT NAME
Entrada Test

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 30, T19S R21E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6391.5 gr.

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

DEPARTMENT OF
OIL, GAS & MINING

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

5/11/81 - Drill to 70 of 5280' 5/10/81. Short trip, ream to bottom.

5/12/81 - Circ hole. TOOH. Logs went to 4600'. TIH. Circ. TOOH.

5/13/81 - Logging, TIH. Circ and cond. TOOH. TIH open ended w/3-1/2" drill pipe.

5/14/81 - Set a 45 sk Class B cmt plug from 5280-5080'. Set a 45 sk Class B cmt plug from 4800-4600'. Set a 45 sk Class B cmt plug from 4300-4100'. Set @ 45 sk Class B from 2300-2100'. WOC. TIH and tag cmt @ 2098'. Laid down drill pipe and collars. Ran 50 jts 4-1/2" 10.5# K-55 STC csg @ 2096'. Cmt w/80 sx Class B w/2% CACL₂ and 1/4# 1 sk Celloflake. Plug down. Float held ok. NUWH. Release rig 5/14/81. RDMORT.

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

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

SIGNED Wesley J. Hutton TITLE Asst. Div. Adm. Mgr. DATE 5/19/81

(This space for Federal or State office use)

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155

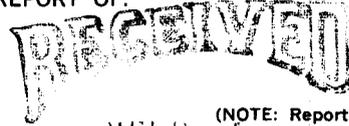
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1604' FNL 1369' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

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

SUBSEQUENT REPORT OF:



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

DIVISION OF
OIL, GAS & MINING

5. LEASE U-149777	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME Willow Creek East Unit	
8. FARM OR LEASE NAME	
9. WELL NO. 30-5	
10. FIELD OR WILDCAT NAME Entrada Test	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30, T19S R21E	
12. COUNTY OR PARISH Grand	13. STATE Utah
14. API NO. 43-019-30745	
15. ELEVATIONS (SHOW DF, KDB, AND WD) 6391.5' gr.	

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.)*

5/21/81 - MIRUSU. Run CBL.

5/22/81 - RIH w/3-3/4" bit on 2-3/8" tbg. Tagged PBTD @ 2039'. Pressure test csg to 4000#. Held ok. Circ hole w/2% KCL water and swabbed down 1600'. POOH w/tbg. Perf'd Mancos B w/3-1/8" gun @ 2 JSPF as follows: 1940-55', 15' 30 holes. RIH w/tension pkr, 2-3/8" tbg and F nipple. Set pkr @ 1850'. Put 20,000# on pkr. Acidize w/500 gals 7-1/2% acid and 45 ball sealers. AIR: 4 BPM, AIP: 1500 PSI, ISIP: 350 PSI, 15 min SIP: 250 PSI. Knocked balls off perfs. Swabbed back 32 bbls load. Set pkr @ 1900'. Shut well in.

5/23/81 - SICP: 0 PSI, SITP: 0 PSI. Ran swab, fluid level @ 1535' final @ 1635'. RIH w/press bombs. Opened well for 4 hrs. Shut-in for 68 hr pressure build-up. Bombs @ 1497'.

5/26/81 - POOH w/bomb and tbg. Frac'd w/90,000 gals 40# XL gel, 100,000# 20/40 sand 44,000# 20/40 sand.
Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Carley Stott TITLE Asst. Div. Adm. Mgr. DATE 6/2/81

(This space for Federal or State office use)

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1604' FNL & 1369' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-149777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Willow Creek East Unit

8. FARM OR LEASE NAME

9. WELL NO.
30-5

10. FIELD OR WILDCAT NAME
Entrada Test

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 30, T19S R21E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6391, 5' gr.

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

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

JUN 5 1981
DIVISION OF
OIL, GAS & MINING

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

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

5/26/81. 31,000 gals fluid w/550 SCF of N₂ per bbl. AIR: 25 BPM AIP: 1500 PSI. ISIP: 800 PSI. 15 min SIP: 730 PSI. Shut-in for 3 hrs. Opened to pit to clean up.

5/27/81. RIH w/1½" tbq. Tagged fill @ 1944'. Bailed out 30' sand w/hydrostatic bailer. POOH w/tbq.

5/28/81. SITP: 0 PSI SICP: 0 PSI swabbed. Fluid level @ 1250'. Made 27 swab runs. Recovered 36 bbls water. Last swab run; Fluid level @ 1600'. No sand, no gas.

5/29/81. 0 PSI SICP: 0 PSI Swabbed. Fluid level @ 1600'. Made 37 swab runs. Recovered 42 bbls water, no sand, no gas. Fluid level @ 1900' on last run. Landed 1½" tbq @ 1971'.

6/3/81. SICP: 50 PSI SITP: 0 PSI. Fluid level @ 1400'. Pressure on csg built to 200#. Started flowing. Made 30 bbls water.

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

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

SIGNED Carley Hatten TITLE Asst. Div. Amd. Mgr DATE 6-8-81

(This space for Federal or State office use)

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

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

SUNDRY NOTICES AND REPORTS

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

1. oil well gas well other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1604' FNL 1369' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

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

SUBSEQUENT REPORT OF:

-
-
-
-
-
-
-
-

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.)*

6/4/81 - SICP: 125 psi SITP: 0 psi. Made 1 run. Well flowed 2 hrs and died. Made 9 additional runs. Made 5-10 gals water. SICP: 85 psi SITP: 0 psi.
6/5/81 - SICP: 85 psi SITP: 0 psi. Made 2 swab runs. Recover 5 bbls water. Shut well in. Release swab unit.
8/20/81 - SI for press building.

Should be in producing

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

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

SIGNED *John M. Lane* TITLE Production Analyst DATE 8/26/81

(This space for Federal or State office use)

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

5. LEASE U-149777	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME Willow Creek East Unit	
8. FARM OR LEASE NAME	
9. WELL NO. 30-5	
10. FIELD OR WILDCAT NAME Entrada Test	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30, T19S R21E	
12. COUNTY OR PARISH Grand	13. STATE Utah
14. API NO.	
15. ELEVATIONS (SHOW DF, KDB, AND WD) 6391.5' gr.	

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1604' FNL 1369' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

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

5. LEASE
U-149777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Willow Creek East Unit

8. FARM OR LEASE NAME
Willow Creek East Unit USA

9. WELL NO.
30-5

10. FIELD OR WILDCAT NAME
Entrada Test

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 30, T19S R21E

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

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6391.5' gr.

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

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

Tenneco proposes to temporarily abandon the above captioned well.

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

DATE: 10-5-81
BY: [Signature]

[Signature] John Fox

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

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

SIGNED [Signature] TITLE Production Analyst DATE 9-3-81

(This space for Federal or State office use)

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

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

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

6

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
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1605' FNL 1369' FWL

At top prod. interval reported below **SE NW**

At total depth

DIVISION OF OIL, GAS & MINING
14. PERMIT NO. **43-04-30775** DATE ISSUED **11-7-80**

5. LEASE DESIGNATION AND SERIAL NO.

U-149777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Willow Creek East Unit

8. FARM OR LEASE NAME

9. WELL NO.

30-5

10. FIELD AND POOL, OR WILDCAT

Entrada Test

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

Sec. 30, T19S R21E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

15. DATE SPUDDED 5/1/81 16. DATE T.D. REACHED 5/11/81 17. DATE COMPL. (Ready to prod.) N/A 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5280 21. PLUG, BACK T.D., MD & TVD 2039 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY → 24. ROTARY TOOLS 0'-TD 25. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
1940-55 Mancos B 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN BCSL, ACB, DE/SFL, CNFD 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
9-5/8"	36#	303'	12-1/4"	170 sx C1-H	
7"	23#	1249'	8-3/4"	200sx 50/50 POZ, 100sx C1-H	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1/2"	1971	

31. PERFORATION RECORD (Interval, size and number)

1940-1955' @ 2 JSPF

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1940-1955	500 gals 7-1/2% HCL
	90,000 gals 40# XL gel
	144,000# 20/40 sand

33.* PRODUCTION

DATE FIRST PRODUCTION 8/14/81	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	WELL STATUS (Producing or shut-in) T & A
DATE OF TEST 8/24/81	HOURS TESTED 3 hrs	CHOKE SIZE 1/4"
FLOW. TUBING PRESS. 65 PSI	CASING PRESSURE	CALCULATED 24-HOUR RATE
	OIL—BBL. →	GAS—MCF. 42
	WATER—BBL.	OIL GRAVITY-API (CORR.)

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

35. LIST OF ATTACHMENTS
Electric logs to be forwarded by Schlumberger

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

SIGNED David M. [Signature] TITLE Production Analyst DATE 9/9/81

*(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.
Castlegate	842	998	Water (brackish)
Morrison	4886	5026	Water
Salt Wash		TD	Water
Entrada	5232		

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Castlegate	842	
Dakota Silt	4347	
Dakota Sand	4459	
Morrison	4679	
Salt Wash	4886	
Entrada	5232	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1604' FNL, 1369' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:
TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
PULL OR ALTER CASING
MULTIPLE COMPLETE
CHANGE ZONES
ABANDON*
(other)

SUBSEQUENT REPORT OF:

5. LEASE
U-0149777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Willow Creek East Unit

8. FARM OR LEASE NAME
Willow Creek East Unit USA

9. WELL NO.
30-5

10. FIELD OR WILDCAT NAME
Entrada Test

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 30, T19S, R21E

12. COUNTY OR PARISH | 13. STATE
Grand | UT

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6391' GR

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

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

Tenneco respectfully requests permission to plug and abandon this well, as per the attached detailed procedure.

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

DATE: _____
BY: _____

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

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

SIGNED Ken Russell TITLE Sr. Production Analyst DATE April 19, 1983

(This space for Federal or State office use)

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

DETAILED PROCEDURE:

1. MIRUSU. Kill well if necessary. Remove WH & install BOP.
2. POOH w/2-3/8" tbg. PU a cmt. ret. on tbg & RIH to 1840' & set. Load annulus w/wtr & PT to 500 psig. PU on tbg & PT tbg to 1500 psig. Sting out of ret. & establish reverse circ. Sting into retainer & est. rate into perfs.
3. RU to cmt squeeze perfs (1940-1955') leaving a 100' plug in the csg above the perfs & below the retainer. Use 50 sxs of Class "H" w/.4% Halad 9. Sting out of ret. w/1 bbl cmt left in tbg or when 1500 psig is encountered. Reverse circ tbg clean.
4. Circ hole w/9.2 ppg fresh wtr mud w/50 visc. minimum. POOH w/2-3/8" tbg.
5. MIRUWL. Run csg free pt. test (TOC @1526'). Cut csg @1500' or above where free. Use a WL chemical cutter.
6. RU csg crew. POOH & lay dn 4-1/2" csg. (Have pipe rack & slide on location and in position).
7. RIH w/tbg to 1600' & spot a 450' plug fr 1600' up to 1150' across both the 4-1/2" & 7" csg stubs. Use 100 sxs Class "H" cmt.
8. PUH w/2-3/8" tbg to 100' & circ cmt to surface using 25 sxs Class "H" cmt.
9. POOH w/last 100' of tbg & wash cmt out as you lay dn.
10. Cut off csg head & install a 4" P&A marker, orange peeled on top, at the surface stating: well name, number, 1/4 section, township, range & date of P&A.
11. Remove all equip fr location & haul to TOC's yard. Fill in all pits & restore location to original as per APD. Notify USGS for final inspection.



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

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

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

April 22, 1983

Tenneco Oil Exploration & Production
6061 South Willow Drive
Englewood, Colorado 80155

Re: Well No. # 29-15
Sec. 29, T. 16S, R. 24E.
Grand County, Utah

Well No. Willow Creek East # 30-5
Sec. 30, T. 19S, R. 21E.
Grand County, Utah

Gentlemen:

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

Thank you for your prompt attention to the above submittal.

Respectfully,

DIVISION OF OIL, GAS AND MINING

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

Cari Furse
Well Records Specialist

CF/cf
Enclosure



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

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

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

April 23, 1982

Tenneco Oil Company
Box 3249
Englewood, Colorado 80155

Re: Well No. 29-15
Sec. 29, T. 16S, R. 24E.
Grand County, Utah

Well No. Willow Creek East #30-5
Sec. 30, T. 19S, R. 21E.
Grand County, Utah

Gentlemen:

The above referred to wells have been currently under a temporarily abandoned status for six months or longer. Please inform this office of the current status of these well locations and send in the necessary required papers.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

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

Cari Furse
Clerk Typist

Tenneco Oil Exploration and Production

A Tenneco Company

Western Rocky Mountain Division

P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address:
6061 South Willow Drive
Englewood, Colorado



April 30, 1982

State of Utah
Natural Resources & Energy
Oil, Gas and Mining
4241 State Office Building
Salt Lake City, UT 84114

Attn: Cari Furse

RE: Federal #29-15, Sec. 29, T16S
R24E, Grand County, UT and
Willow Creek East #30-5, Sec. 30,
T19S, R21E, Grand County, UT

Dear Ms. Furse:

The status of the above referenced wells is as follows:

Federal #29-15 - to be recompleted in the Mancos

Willow Creek East #30-5 - still under evaluation

Sundries and other necessary paperwork will be submitted as soon as detailed information is available.

Sincerely,

TENNECO OIL COMPANY

A handwritten signature in cursive script that reads "Denise Wilson".

Denise Wilson
Production Analyst

DW:jt

RECEIVED
MAY 03 1982

DIVISION OF
OIL, GAS & MINING



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

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

October 26, 1983

Tenneco Oil Company
P. O. Box 3249
Englewood, Colorado 80155

Re: Well No. Willow Crk Est Unit # 30-5
1604' FNL, 1369' FWL
SE NW, Sec. 30, T. 19S, R. 21E.
Grand County, Utah

Gentlemen:

Review of the file for the above referenced well indicates that this well has been reported as temporarily abandoned since September 3, 1981. The Division staff issued approval on April 28, 1983, for the Sundry Notices and Reports of Wells, Notice of Intention to Abandon the Well for this well.

Please immediately advise this office as to the status of this well and if the approved abandonment has been completed; promptly submit the required Subsequent Report of Abandonment.

Thank you for your prompt cooperation with the above matter.

Respectfully,

DIVISION OF OIL, GAS AND MINING

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

Cari Furse
Well Records Specialist

CF/cf
Enclosure

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1640' FNL, 1369' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

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

5. LEASE
U-0149777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Willow Creek East Unit ✓

8. FARM OR LEASE NAME
Willow Creek East Unit USA

9. WELL NO.
30-5

10. FIELD OR WILDCAT NAME
Entrada Test

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 30, T19S, R21E

12. COUNTY OR PARISH
Grand

13. STATE
UT

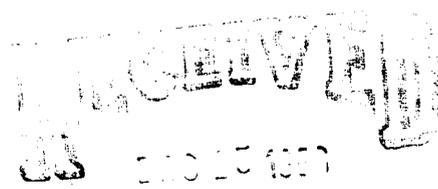
14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6391' GR

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

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

Tenneco respectfully requests permission to extend the temporary abandonment of this well as we are currently evaluating this acreage for possible future drilling which could make a pipeline into the area economical.



**DIVISION OF
OIL, GAS & MINING**

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

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

SIGNED Randolph C. Will TITLE Sr. Prod. Analyst DATE 12-9-83

(This space for Federal or State office use)

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



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 12, 1986

TO: Well File Memo

FROM: J.R. Baza *JRB*

RE: Willow Creek East Unit Well No. 30-5, Sec.30, T.19S, R.21E,
Grand County, Utah

The well file contains insufficient information to determine if the well is properly temporarily abandoned or not. The operator submitted a Sundry Notice dated September 3, 1981, indicating that the well was to be temporarily abandoned; however, there is no statement that a temporary plug would be set to isolate the producing interval. The operator should be requested to submit written verification of the existence of any temporary plug, and the well status should be listed as SI producing well, until this has been adequately verified.

sb
0265T-41



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 7, 1986

Tenneco Oil Company
P.O. Box 3249
Englewood, Colorado 80155

Gentlemen:

Re: Well No. Willow Creek East #30-5 - Sec. 30, T. 19S., R. 21E.,
Grand County, Utah - API #43-019-30745

In order to determine if the referenced well is a temporarily abandoned well, it is necessary that the condition of the well bore comply with the requirements of Rule 315 (i) of the Oil and Gas Conservation General Rules.

A records review of the well file indicates that insufficient information is available to determine where, or if, temporary plugs have been set. Please provide sufficient information as to the condition of the well, to determine if any interval open to the well bore has been properly sealed with a cement plug or bridge plug, and if the well bore is isolated to prevent migration of fluids through or out of it.

Your response by April 27, 1986 will be appreciated, and should be addressed to:

Division of Oil, Gas & Mining
Attention: Suspense File - Norm Stout
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Respectfully,

Norman C. Stout
Records Manager

pk
cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
Well File
Suspense File

0170S/6

Tenneco Oil
Exploration and Production
A Tenneco Company

6162 South Willow Drive
P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800



Western Rocky Mountain Division

April 29, 1986

RECEIVED
MAY 05 1986

DIVISION OF
OIL, GAS & MINING

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

Re: Willow Creek East #30-5
Section 30, T19S, R21E
Grand County, Utah
API #43-019-30745

Attention: Mr. Norman C. Stout

Gentlemen:

The subject well is currently shut in pending plugging and abandonment. It will be plugged this summer. Attached please find a schematic showing the current condition of the wellbore.

If you require any additional information, please contact me at 303-740-4830.

Very truly yours,

TENNECO OIL COMPANY

A handwritten signature in cursive script that reads "JW Cook".

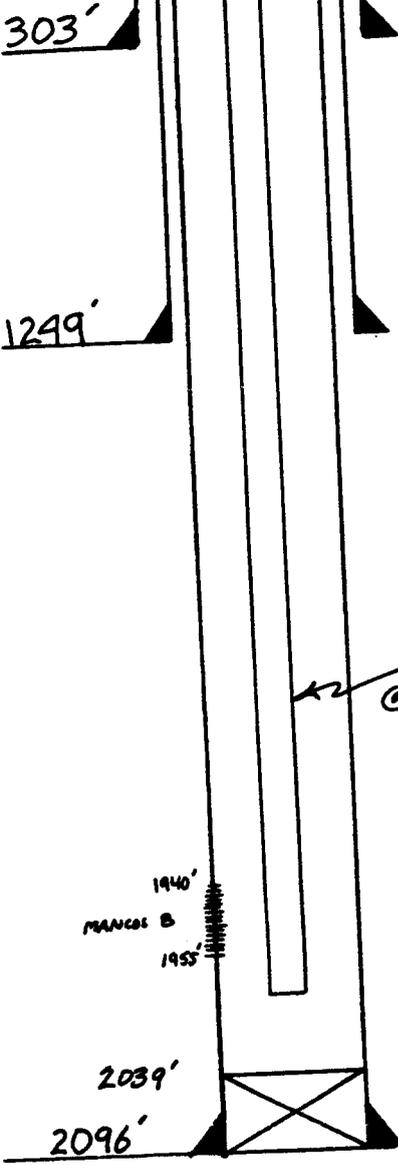
J. W. Cook
Sr. Specialist

JWC/dw: 990

RECEIVED
MAY 05 1986

DIVISION OF
OIL, GAS & MINING

4830/2
LEASE Willow Creek East
WELL NO. 30-5



CASING:
9-5/8"OD, 36 LB, K-55 CSG.W/ 170 _____ SX
TOC @ surface HOLE SIZE 12-1/4" DATE: 5-2-81
REMARKS _____
7 "OD, 23 LB, K-55 CSG.W/300 _____ SX
TOC @ _____ . HOLE SIZE 8-3/4" DATE: 5-5-81
REMARKS _____
4-1/2"OD, 10.5 LB, K-55 CSG.W/ 80 _____ SX
TOC @ 1526' . HOLE SIZE 6-1/4" DATE: 5-14-81
REMARKS _____ TOC by CBL

TUBING:
1.90 "OD, 2.9 LB, J-55 GRADE, 10 RD, EUE CPLG
LANDED @ 1970 . SN, PACKER, ETC. _____
_____ "OD, _____ LB, _____ GRADE, _____ RD, _____ CPLG
LANDED @ _____ . SN, PACKER, ETC. _____
PUMP _____ RODS _____ ANCHOR _____

(ACTUAL T.D. = 5280', HOLE PLUGGED BACK
TO 2096' w/ DRILLING RIG)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on
reverse side)

070331

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-0149777
2. NAME OF OPERATOR Tenneco Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P. O. Box 3249, Englewood, CO 80155		7. UNIT AGREEMENT NAME Willow Creek East Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1604' FNL, 1369' FWL		8. FARM OR LEASE NAME
14. PERMIT NO. API #43-019-30745 DKTA	15. ELEVATIONS (Show whether DF, ST, GR, etc.) 6391.5' gr	9. WELL NO. 30-5
		10. FIELD AND POOL, OR WILDCAT Entrada Test
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30, T19S-R21E
		12. COUNTY OR PARISH Grand
		13. STATE Utah

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

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

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

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

Tenneco requests permission to plug and abandon the reference well according to the attached detailed procedure.

18. I hereby certify that the foregoing is true and correct
SIGNED D. A. Cushman TITLE Sr. Administrative Analyst DATE 6/23/86
(This space for Federal or State office use)

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

Federal approval of this action is required before commencing operations.

*See Instructions on Reverse Side DATE: 7-1-86 BY: John R. Bay

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

4830/2

LEASE Willow Creek East

WELL NO. 30-5

CASING:

9-5/8"OD, 36 LB, K-55 CSG.W/ 170 _____ SX

TOC @ surface HOLE SIZE 12-1/4" DATE: 5-2-81

REMARKS _____

7"OD, 23 LB, K-55 CSG.W/300 _____ SX

TOC @ _____ . HOLE SIZE 8-3/4" DATE: 5-5-81

REMARKS _____

4-1/2"OD, 10.5 LB, K-55 CSG.W/ 80 _____ SX

TOC @ 1526' . HOLE SIZE 6-1/4" DATE: 5-14-81

REMARKS TOC by CBL

TUBING:

1.90"OD, 2.9 LB, J-55 GRADE, 10 RD, EUE _____ CPLG

LANDED @ 1970 . SN, PACKER, ETC. _____

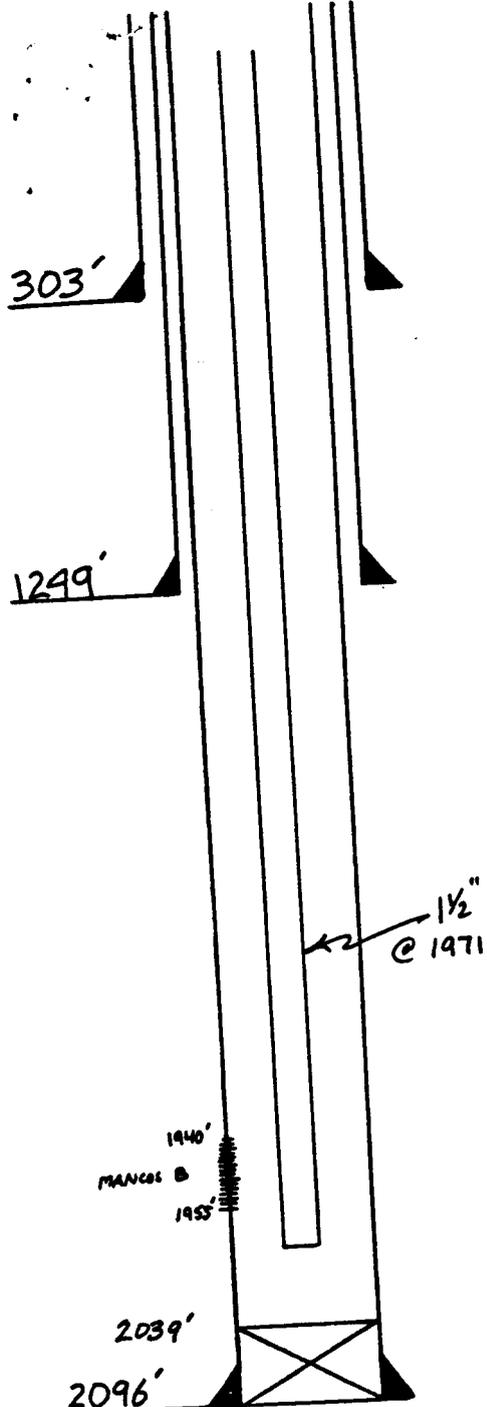
_____ "OD, _____ LB, _____ GRADE, _____ RD, _____ CPLG

LANDED @ _____ . SN, PACKER, ETC. _____

PUMP _____ RODS _____ ANCHOR _____

DETAILED PROCEDURE:

1. Blow well down. MIRUSU. NDWH. NUBOP.
2. POOH w/1-1/2" tbg, laying dn.
3. PU & RIH w/2-3/8" tbg and Baker 4-1/2" cmt retainer. Set retainer @ $\pm 1840'$. PT tbg to 1500 psi.
4. Sting out of retainer and establish reverse circulation. Sting into retainer and establish rate into Mancos perms. Squeeze perms w/50 sxs Class G cmt. Sting out of retainer 1 bbl shy of displacement and reverse tbg clear. Max Pressure: 1000 PSI.
5. POOH w/2-3/8" tbg. NDBOP.
6. RU wireline and freepoint and jet cut 4-1/2" csg @ $\pm 1500'$. POOH & lay dn 4-1/2". NUBOP.
7. RIH w/2-3/8" tbg to 1600'. Spot 450' plug from 1600' to 1150' across both 4-1/2" stub and 7" csg shoe w/115 sxs Class G.
8. PUH w/tbg to 100' & circ cmt to surface w/25 sxs Class "G" Neat. RDMOSU.
9. Cut off csg head and install P&A marker.
10. Clean grade & rehab location per BLM specifications.



1 1/2"
@ 1971'

1940'
Mancos B
1955'

2039'

2096'

(ACTUAL T.D. = 5280', HOLE PLUGGED BACK TO 2096' w/ DRILLING RIG)



UTAH
NATURAL RESOURCE
Oil, Gas & Mining

PRD813000135

DOGM 56-64-
an equal opportunity employer

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
84180-1203. (801-538-5340)

Page 1 of 1

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

RECEIVED
MAY 4 1988

• TENNECO OIL/J C THOMPSON
P O BOX 3119
ENGLEWOOD CO 80155
ATTN: ANDREW CUSHMAN *Steve Foster*

DIVISION OF
OIL, GAS & MINING

Utah Account No. N0950

Report Period (Month/Year) 3 / 88

Amended Report

Well Name	Producing Zone	Days Oper	Oil (BBL)	Gas (MSCF)	Water (BBL)
WILLOW CREEK E 4970-#1					
4301930449 00335 20S 21E 4	DK-MR	00	0	0	0
WILLOW CREEK E FEDERAL 769-2					
4301930431 00373 19S 21E 33	CDMTN	00	0	0	0
WILLOW CREEK E 4970-#1					
4301930718 09198 19S 21E 29	DKTA	00	0	0	0
<i>Both Federal leases # U-0149777 - DKTA Form.</i>					
TOTAL			0	0	0

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Steve Foster
Authorized signature

RECEIVED
APR 04 1988
TENNECO OIL CO.
RMD Accounting

Date 4-29-88

Telephone 303-740-4800



PR0813008434

DOG M 56-64-2
an equal opportunity employe

CP

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
84180-1203. (801-538-5340)

Page 1 of 1

MONTHLY OIL AND GAS PRODUCTION REPORT

RECEIVED
MAY 4 1988

Operator name and address:

• TENNECO OIL COMPANY
 P O BOX 3119
 ENGLEWOOD CO 80155
 ATTN: ~~ANDREW CUSHMAN~~ *Steve Foster*

DIVISION OF
OIL, GAS & MINING

Utah Account No. N0950

Report Period (Month/Year) 3 / 88

Amended Report

Well Name	Producing Zone	Days Oper	Production Volume	Gas (MSCF)	Water (BBL)
API Number Entity Location			Oil (BBL)		
FEDERAL 8-5					
4301930499 09052 17S 26E 8	DK-MR	00	0	0	0
FEDERAL 5-9					
4301930506 09153 17S 26E 5	DKTA	00	0	0	0
MCCORMICK STATE 16-9					
4301930632 09154 17S 24E 16	DK-MR	00	0	0	0
TOC TXO POGO USA 15-9					
4301930779 09155 17S 24E 15	DKTA	00	0	0	0
RATTLESNAKE CANYON 2-12					
4301930809 09197 19S 19E 2	DKTA	00	0	0	0
WILLOW CREEK 19S 21E 30	DKTA	00	0	0	0
<i>SEW WES TA</i>			<i>Entity 09198 - Willow Creek Unit - Fed. lease same Both DKTA Formation</i>		
<i>Janu</i>			<i>Something isn't quite right here.</i>		
				<i>5-26-88</i>	
TOTAL			0	0	0

RECEIVED
APR 04 1988

Comments (attach separate sheet if necessary)

TENNECO OIL CO.
RMD Accounting

I have reviewed this report and certify the information to be accurate and complete.

Date 4-29-88

Steve Foster / gk
Authorized signature

Telephone 303-740-4800

COMPANY: Tenneco Oil Company UT ACCOUNT # N0950 SUSPENSE DATE: 5/27/88

059786

WELL NAME: Willow Creek East 30-5

API #: 43-019-30745

SEC, TWP, RNG: Sec. 30, 19S, 21E

TELEPHONE CONTACT DOCUMENTATION

CONTACT NAME: _____

CONTACT TELEPHONE NO.: _____

SUBJECT: Wells in Willow Creek Unit are listed with N0950 alt Address Flag.
(Tenneco / G.C. Thompson.) G.C. Thompson operates 2 of the 4 wells
in unit, and Tenneco reports on all wells. The Willow Creek East 30-5
was not flagged with alt. address code, and was on Tenneco's turnaround.

(Use attachments if necessary)

RESULTS: Alt. Address flag was added to 30-5 so that it can be on same turnaround
report, and so that all unit wells are together, two of which have the
same entity number because they are producing from the same formation.

(Use attachments if necessary)

CONTACTED BY: As per Vicki Carney / Lisha Romero

DATE: 5/27/88



Dale D. Gilliam
Regional Production Manager

January 30, 1989

State of Utah
Oil, Gas & Mining Division
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

File: JLH-063-980.2

Tenneco Acquisition
Change of Ownership
Sundry Notices

Amoco Production Company has acquired Tenneco's Rocky Mountain Division. In accordance with the Utah Rules and Regulations, we are furnishing your office with the required Sundry notices.

In addition to the Sundry notices, we are providing you with other critical information pertaining to the sale:

- The effective date of purchase was July 1, 1988 with a closing date of December 9, 1988.
- Any questions and/or correspondence concerning operational matters, permitting, sundry notices, etc., should be directed to John Hampton with Amoco at (303) 830-5025.
- Current plans are that Tenneco, acting as Amoco's Agent, will file the State Production Reports, and will handle royalty and severance payments in their name through the month of May. However, we are attempting to accelerate this transition period. Questions concerning these matters during this period should be handled with Tenneco, as in the past.

D. D. Gilliam

RLW/ksf

Attachment

COPIES SENT TO	
AWS	✓
VLC	✓
PMK	✓
Ed Bomer	st Lds
Brad Simpson	Tax

Amoco Production Company

Denver Region
1670 Broadway
P.O. Box 800
Denver, Colorado 80201
303-830-4040

RECEIVED
FEB 01 1989

DIVISION OF
OIL, GAS & MINING

10025

*TAS
show Amoco as operator
but send to Tenneco's
address (c/o Tenneco).
Call John Hampton to find
out which Tenneco address
to send reports to.*

*DTS
2-6-89*

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

DATA

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.)

RECEIVED
FEB 01 1989
DIVISION OF OIL, GAS & MINING

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-149777
2. NAME OF OPERATOR Amoco Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1670 Broadway, P. O. Box 800, Denver, CO 80123		7. UNIT AGREEMENT NAME Willow Creek East Unit
4. LOCATION OF WELL (Report location clearly and in accordance with the State Regulations. See also space 17 below.) At surface 1640 FNL 1369 FWL		8. FARM OR LEASE NAME
14. PERMIT NO. 43-019-30745	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6391 GR	9. WELL NO. 30-5
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT Undesignated
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)		11. SEC., T., R., M., OR BLK. AND SUBVY OR ABBA Sec. 30, T19S, R21E
		12. COUNTY OR PARISH Grand
		13. STATE Utah

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

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

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

The above well has been acquired by Amoco Production Company from Tenneco Oil Exploration and Production. The effective date of purchase was July 1, 1988 with a closing date of December 9, 1988.

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

SIGNED J. F. Hampton TITLE Sr. Staff Admin. Supervisor DATE 1-23-89

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



Utah Natural Resources
Oil, Gas & Mining
West North Temple, Triad Center, Suite 350, Salt Lake City, Ut
10-1203, (801-538-5340)

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

Production Company
~~AMOCO/TENNECO~~
~~6162 SO. WILLOW DRIVE~~ *1670 Broadway*
~~Denver ENGLEWOOD CO~~ *80111 80202*
 ATTN: ~~STEVE FOSTER~~ *Lynn Hiatt*

RECEIVED
JAN 16 1990

Utah Account No. N0025
 Report Period (Month/Year) 4 / 89
 Amended Report

Well Name	Producing Zone	Days Oper	Production Volume Oil (BBL)	Gas (MSCF)	Water (BBL)
FEDERAL 8-5 301930499 09052 17S 26E 8	DK-MR	∅	∅	∅	∅
FEDERAL 5-9 301930506 09153 17S 26E 5	DKTA	∅	∅	∅	∅
McCORMICK STATE 16-9 301930632 09154 17S 24E 16	DK-MR	∅	∅	∅	∅
OC TXO POGO USA 15-9 301930779 09155 17S 24E 15	DKTA	30	∅	∅	15
WILLOW CREEK E. 29-13 301930738 09198 19S 21E 29	DKTA	∅	∅	∅	∅
WILLOW CREEK EAST #30-5 301930745 10919 19S 21E 30	DKTA	∅	∅	∅	∅
TOTAL			∅	∅	15

1 AM!

3 22.40 pu DTD dig shcd

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.
 Authorized signature: *[Signature]*

Date 1-12-90
 Telephone 303-830-5581

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Pioneer Oil and Gas</p> <p>3. ADDRESS OF OPERATOR 6925 Union Park Center, Suite 145, Midvale, UT-84047</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1604' FNL, 1369' FWL</p> <p>14. PERMIT NO. 43-019-30-745</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. U-0149777</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME Willow Creek East</p> <p>8. FARM OR LEASE NAME * Unit Contraction- No longer a Unit Well</p> <p>9. WELL NO. 30-5</p> <p>10. FIELD AND POOL, OR WILDCAT</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30: T19S-R21E</p> <p>12. COUNTY OR PARISH 13. STATE Grand Utah</p>
<p>15. ELEVATIONS (Show whether DF, RT, CR, etc.) 6392 GR</p>	

NOV 2 1990
DIVISION OF
OIL, GAS & MINING

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

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

(Other) Change of Operator (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.)*

Pioneer Oil and Gas hereby succeeds Cimarron Chemical, Inc. as Unit Operator of the Willow Creek East Unit and as Operator of the Federal 30-5 well and accepts all operating responsibility and liability under its good and sufficient bond or other security accepted by the commission for proper plugging and surface restoration of the subject well.

New Operator: Pioneer Oil and Gas

Former Operator: Cimarron Chemical, Inc.

By: Gregg B. Colton
Title: Vice President
Date: October 31, 1990

By: J. Williams
Title: Exp
Date: 10-30-90

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

SIGNED _____ TITLE _____ DATE _____

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

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

5. LEASE DESIGNATION AND SERIAL NO.

U-0149777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Pioneer Oil and Gas

3. ADDRESS OF OPERATOR
6925 Union Park Center, Suite 145, Midvale, UT 84047

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

1604' FNL, 1369' FWL

14. PERMIT NO.
43-019-30-745

15. ELEVATIONS (Show whether DF, WT, GR, etc.)
6392 GR

7. UNIT AGREEMENT NAME
Willow Creek East

8. FARM OR LEASE NAME
** Unit Contraction - No longer a Unit Well*

9. WELL NO.
30-5

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 30: T19S-R21E

12. COUNTY OR PARISH 13. STATE
Grand Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	Change of Operator <input checked="" type="checkbox"/>

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

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

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

Cimarron Chemical, Inc. hereby succeeds TOC-Rocky Mountains, Inc. (Amoco Production Company) as Unit Operator of the Willow Creek East Unit and as Operator of the Federal 30-5 well and accepts all operating responsibility and liability under its good and sufficient bond or other security accepted by the commission for proper plugging and surface restoration of the subject well.

New Operator: Cimarron Chemical, Inc.

Former Operator: TOC-Rocky Mountains, Inc.
** No. 50 Amoco Production Co.*

By: J. Williams
Title: Exp
Date: 10-30-90

By: G.W. Chipman
Title: ATTORNEY-IN-FACT
Date: 10-29-90

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

SIGNED _____ TITLE _____ DATE _____

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____

(Location) Sec _____ Twp _____ Rng _____
(API No.) _____

Suspense
(Return Date) _____
(To - Initials) _____

Other
OPERATOR CHANGE
FILE _____

1. Date of Phone Call: 11-14-90 Time: 11:25

2. DOGM Employee (name) L. ROMERO (Initiated Call
Talked to:

Name TERESA THOMPSON (Initiated Call - Phone No. () 539-4047
of (Company/Organization) BLM/ S.L.

3. Topic of Conversation: UNIT OPERATOR CHANGE "WILLOW CREEK EAST"
(TOC-ROCKY MOUNTAINS, INC. TO CIMARRON CHEM., INC. TO PIONEER OIL & GAS)
** N0050/Amoco ** N4930/Cimarron Petro. Corp. N3025

4. Highlights of Conversation: TOC-ROCKY MOUNTAINS, INC. IS CURRENTLY THE UNIT
OPERATOR. THEY HAVE RECEIVED DOCUMENTATION TO CHANGE THE UNIT OPERATOR TO
CIMARRON CHEMICAL, INC. AND THEN TO CHANGE TO PIONEER OIL & GAS. THE BLM
PLANS TO CHANGE THE UNIT OPERATOR TO PIONEER OIL & GAS UPON RECEIVAL OF THE
REQUIRED DOCUMENTATION, MAKING NOTE THAT CIMARRON CHEMICAL, INC. DID OPERATE
A COUPLE OF WELLS FOR A PERIOD OF TIME, HOWEVER THEY ARE NOT GOING TO RECOGNIZE
CIMARRON AS EVER BEING UNIT OPERATOR. ~~I WAS ALSO INFORMED THAT CIMARRON CHEMICAL~~
~~INC. IS THE SAME COMPANY THAT DOGM HAS AN ACCOUNT FOR UNDER THE NAME OF CIMARRON~~
~~PETRO. CORP./N4930. TERESA WILL CONTACT DOGM WHEN APPROVAL HAS BEEN GRANTED~~
TO PIONEER OIL & GAS TO OPERATE THE "WILLOW CREEK EAST" UNIT.

** 901114 DOGM recognizes N0050/Amoco as operator, reporting on "Willow Creek East" unit.*

** 901129 Cimarron Chemical Inc. / Marie Minas (713) 621-5303
Not the same company as Cimarron Petro. Corp. Btm has been notified.
New account # N7025 assigned on 11-29-90. Dept of Commerce #
was given to new operator for state registration.*

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____

(Location) Sec ___ Twp ___ Rng ___
(API No.) _____

Suspense
(Return Date) _____
(To - Initials) _____

Other
OPERATOR CHANGE
FILE _____

1. Date of Phone Call: 11-14-90 Time: 11:25

2. DOGM Employee (name) L. ROMERO (Initiated Call
Talked to:

Name TERESA THOMPSON (Initiated Call - Phone No. () 539-4047
of (Company/Organization) BLM/ S.L.

3. Topic of Conversation: UNIT OPERATOR CHANGE "WILLOW CREEK EAST"

(TOC-ROCKY MOUNTAINS, INC. TO CIMARRON CHEM., INC. TO PIONEER OIL & GAS)

*** N0050/Amoco*

*** N4930/Cimarron Petro. Corp.*

N3025

4. Highlights of Conversation: TOC-ROCKY MOUNTAINS, INC. IS CURRENTLY THE UNIT

OPERATOR. THEY HAVE RECEIVED DOCUMENTATION TO CHANGE THE UNIT OPERATOR TO

CIMARRON CHEMICAL, INC. AND THEN TO CHANGE TO PIONEER OIL & GAS. THE BLM

PLANS TO CHANGE THE UNIT OPERATOR TO PIONEER OIL & GAS UPON RECEIVAL OF THE

REQUIRED DOCUMENTATION, MAKING NOTE THAT CIMARRON CHEMICAL, INC. DID OPERATE

A COUPLE OF WELLS FOR A PERIOD OF TIME, HOWEVER THEY ARE NOT GOING TO RECOGNIZE

CIMARRON AS EVER BEING UNIT OPERATOR. I WAS ALSO INFORMED THAT CIMARRON CHEMICAL

INC. IS THE SAME COMPANY THAT DOGM HAS AN ACCOUNT FOR UNDER THE NAME OF CIMARRON

PETRO. CORP./N4930. TERESA WILL CONTACT DOGM WHEN APPROVAL HAS BEEN GRANTED

TO PIONEER OIL & GAS TO OPERATE THE "WILLOW CREEK EAST" UNIT.

** 901114 DOGM recognizes N0050/Amoco as operator, reporting
on "Willow Creek East" unit.*

** 901129 Cimarron Chemical, Inc. / Marie Mines (713) 621-5303
Not the same company as Cimarron Petro. Corp. BLM has been notified.
New account # N7025 assigned on 11-29-90. Dept. of Commerce # was
given to new operator for state registration.*

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____

Suspense
(Return Date) _____
(To - Initials) _____

Other
Oper. File _____

(Location) Sec _____ Twp _____ Rng _____
(API No.) _____

1. Date of Phone Call: 11-16-90 Time: 10:40

2. DOGM Employee (name) Lce (Initiated Call)
Talked to:

Name David Lovato (Initiated Call) - Phone No. (303) 830-5321
of (Company/Organization) Amoco Prod. Co. (N0050)

3. Topic of Conversation: Request documentation of operator change for Willow Pt. E. 30-5 and 29-13.

4. Highlights of Conversation:

* Left message / will call back Monday 11-19-90.

* 901120 David Lovato will relay info to appropriate person, and have them call me back.

* 901127 Left message / David Lovato

* 901128 Mr. Lovato referred me to James Constance (303) 830-5462

* 901129 Chris West returned call. Sundries & copies of operator changes were mailed to her on 11-30-90. She will submit operator changes from Amoco Prod. Co.

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.)

RECEIVED
JAN 28 1991

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Pioneer Oil and Gas

3. ADDRESS OF OPERATOR
6925 Union Park Center, Suite 145, Midvale, UT 84047

4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations. See also Appendix 17 below.)
At surface
1604' FNL, 1369' FWL

5. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Willow Creek East

8. FARM OR LEASE NAME

9. WELL NO.
30-5

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLM, AND SURVEY OR AREA
Sec. 30; T19S-R21E

12. COUNTY OR PARISH 13. STATE
Grand Utah

14. PERMIT NO. 43-019-30-745

15. ELEVATIONS (Show whether OP, TV, OR, etc.)
6392 GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF FULL OR ALTER CASING

RACTURE TREAT MULTIPLE COMPLETE

SHOOT OR ACIDIZE ABANDON

REPAIR WELL CHANGE PLANE

(Other) Change of Operator

SUBSEQUENT REPORT OF:

WATER SHUT-OFF REPAIRING WELL

RACTURE TREATMENT ALTERING CASING

SHOOTING OR ACIDIZING ABANDONMENT

(Other)

(Note: Report results of multiple completion or 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 bearings and measured and true vertical depths for all markers and zones pertinent to this work.)

Pioneer Oil and Gas hereby succeeds Cimarron Chemical, Inc. as Unit Operator of the Willow Creek East Unit and as Operator of the Federal 30-5 well and accepts all operating responsibility and liability under its good and sufficient bond or other security accepted by the commission for proper plugging and surface restoration of the subject well.

New Operator: Pioneer Oil and Gas

Former Operator: Cimarron Chemical, Inc.

By: Sherry B. Colton
Title: Vice President
Date: October 31, 1990

By: J. Williams
Title: EVP
Date: 10-30-90

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

SIGNED _____ TITLE _____ DATE _____

(This space for Federal or State office use)

Assistant District Manager
for Minerals

APPROVED BY William C. Thomas TITLE _____ DATE 11/2/90

CONDITIONS OF APPROVAL, IF ANY:

Approved
OHM 10-31-90

CONDITIONS

OHM 11/2/90 *See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Pioneer Oil and Gas
Well No. 29-13
SWSW Sec. 29, T. 19 S., R. 21 E.
Grand County, Utah
8910154810 Lease U-0149777

CONDITIONS OF APPROVAL

1. This approval is valid until the Bureau of Land Management, Utah State Office has approved Pioneer Oil and Gas as successor of unit operator for the Willow Creek East Unit.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP
(Other instructions
reverse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED
JAN 28 1991

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME Willow Creek East
2. NAME OF OPERATOR Pioneer Oil and Gas		8. FARM OR LEASE NAME
3. ADDRESS OF OPERATOR 6925 Union Park Center, Suite 145, Midvale, UT 84046		9. WELL NO. 30-5
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) AT SURFACE 1604' FNL, 1369' FWL		10. FIELD AND POOL, OR WILDCAT
5. PERMIT NO. 43-019-30-745		11. SEC. T. R. N. OR BLM. AND SUBST. OR AREA Sec. 30; T19S-R21E
6. ELEVATIONS (Show whether of. st. cm, etc.) 6392 GR		12. COUNTY OR PARTIAL Grand Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDISE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)		Change of Operator	<input checked="" type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDISING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)			

(NOTE: Report results of multiple completions on Well Completion or Re-completion 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 localities and measured and true vertical depths for all markers and zones pertinent to this work.)

Cimarron Chemical, Inc. hereby succeeds TOC-Rocky Mountains, Inc. (Amoco Production Company) as Unit Operator of the Willow Creek East Unit and as Operator of the Federal 30-5 well and accepts all operating responsibility and liability under its good and sufficient bond or other security accepted by the commission for proper plugging and surface restoration of the subject well.

New Operator: Cimarron Chemical, Inc.

Former Operator: TOC-Rocky Mountains, Inc.

By: J. Williams
Title: Exp
Date: 10-30-90

By: Gus Chipman
Title: Attorney In Fact
Date: 10-29-90

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

SIGNED _____ TITLE _____ DATE _____

(This space for Federal or State use)

Assistant District Manager

APPROVED BY William C. Thomas TITLE _____ DATE 11/2/90

CONDITIONS OF APPROVAL, IF ANY:

CONCURRENCE

*See Instructions on Reverse Side

Pioneer Oil and Gas
Well No. 30-5
SENE Sec. 30, T. 19 S., R. 21 E.
Grand County, Utah
Lease U-0149777

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Pioneer Oil and Gas is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UT0797 (Principal - Pioneer Oil and Gas) via surety consent as provided for in 43 CFR 3104.3.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

Routing:	
1-LOR	<input checked="" type="checkbox"/>
2-DTS	<input checked="" type="checkbox"/>
3-VLC	<input checked="" type="checkbox"/>
4-RJF	<input checked="" type="checkbox"/>
5-RWM	<input checked="" type="checkbox"/>
6-LOR	<input checked="" type="checkbox"/>

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 11-2-90)

TO (new operator) CIMARRON CHEMICAL, INC.
 (address) 743 HORIZON COURT #325
GRAND JUNCTION, CO 81506
 phone (303) 243-3179
 account no. N 7025

FROM (former operator) *TOC-ROCKY MOUNTAINS, INC.
 (address) AMOCO PRODUCTION COMPANY
1670 BROADWAY
DENVER, CO 80202
 phone (303) 830-5581
 account no. N 0050

Well(s) (attach additional page if needed):

Name: <u>WILLOW CRK E 30-5/DKTA</u>	API: <u>4301930745</u>	Entity: <u>10919</u>	Sec <u>30</u>	Twp <u>19S</u>	Rng <u>21E</u>	Lease Type: <u>U-01497</u>
Name: <u>WILLOW CRK E 29-13/DKTA</u>	API: <u>4301930738</u>	Entity: <u>9198</u>	Sec <u>29</u>	Twp <u>19S</u>	Rng <u>21E</u>	Lease Type: <u>"</u>
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- 1 (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (11-2-90)
- 2 (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (11-2-90)
- 3 The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes) (no) ____ If yes, show company file number: # 146216.
- 4 (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- 5 Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (2-4-91)
- 6 Cardex file has been updated for each well listed above.
- 7 Well file labels have been updated for each well listed above.
- 8 Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- 9 A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) NO (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operators' bond files.
- 3. The former operator has requested a release of liability from their bond (yes/no) _____. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 2. Copies of documents have been sent to State Lands for changes involving State leases.

RECORDING

- 1. All attachments to this form have been microfilmed. Date: February 5 1991.

FILED

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form and the original attachments have been filed in the Operator Change file.

REMARKS

* See phone documentation

9/11/27 Bfm has not approved as of yet.

9/10/31 Bfm Approval received 1-23-91. (Approved 11-2-90)

* Unable to get documentation from "Amoco".

Routing:

1-LCR	<input checked="" type="checkbox"/>
2-DTS	<input checked="" type="checkbox"/>
3-VLC	<input checked="" type="checkbox"/>
4-RJF	<input checked="" type="checkbox"/>
5-RWM	<input checked="" type="checkbox"/>
6-LCR	<input checked="" type="checkbox"/>

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 11-2-90)

TO (new operator) <u>PIONEER OIL & GAS</u>	FROM (former operator) <u>CIMARRON CHEMICAL, INC.</u>
(address) <u>6925 UNION PARK CTR. #145</u>	(address) <u>743 HORIZON COURT #325</u>
<u>MIDVALE, UT 84047</u>	<u>GRAND JUNCTION, CO 81506</u>
phone <u>(801) 566-3000</u>	phone <u>(303) 243-3179</u>
account no. <u>N 3025</u>	account no. <u>N 7025</u>

Well(s) (attach additional page if needed):

Name: <u>WILLOW CRK E 30-5/DKTA</u>	API: <u>4301930745</u>	Entity: <u>10919</u>	Sec <u>30</u> Twp <u>19S</u> Rng <u>21E</u>	Lease Type: <u>U-01497</u>
Name: <u>WILLOW CRK E 29-13/DKTA</u>	API: <u>4301930738</u>	Entity: <u>9198</u>	Sec <u>29</u> Twp <u>19S</u> Rng <u>21E</u>	Lease Type: <u>"</u>
Name: <u>(Willows Creek E Unit)</u>	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- 1 (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (11-2-90)
- 2 (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (11-2-90)
- 3 The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes)/no ____ If yes, show company file number: # 146266.
- 4 (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- 5 Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (2-1-91)
- 6 Cardex file has been updated for each well listed above.
- 7 Well file labels have been updated for each well listed above.
- 8 Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- 9 A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- ✓ 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- ✓ 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- ✓ 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- ✓ 2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- ✓ 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- ✓ 2. Copies of documents have been sent to State Lands for changes involving State leases.

MICROFILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: February 5 1991.

FILED

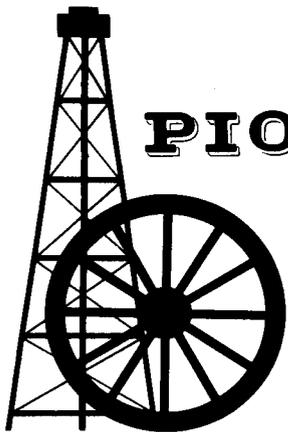
- ✓ 1. Copies of all attachments to this form have been filed in each well file.
- ✓ 2. The original of this form and the original attachments have been filed in the Operator Change file.

REMARKS

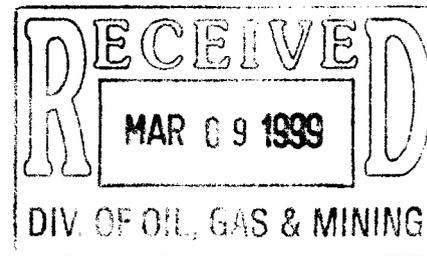
* See phone documentation

901127 Bfm has not approved as of yet.

910131 Bfm Approval received 1-23-91. (Approved 11-2-90)



PIONEER OIL & GAS



March 8, 1999

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
Attn: John R. Baza, Associate Director

Re: Your letter dated February 23, 1999
Well API #43-019-30745
199 212 30

Dear Mr. Baza:

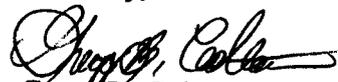
This letter is in response to your letter dated February 23, 1999, regarding the status of the above referenced well. The #30-5 is presently shut-in because of its distance to a pipeline. The well has been plugged back to 2039 feet and produces gas out of the Mancos B Formation. Other wells will need to be drilled in the area for the well to justify a pipeline to it.

The Mancos B Formation that the well produces out of is a non-corrosive, low pressure formation. With intermediate casing set to the productive horizon of the #30-5 well, the well does not pose a threat to the public health, safety or environment.

Please approve our request for an extension of the well's temporarily shut-in status for as long as is permitted by law.

If you should have any questions or need additional information, please contact me.

Sincerely,


Greg B. Colton
Vice President

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

RECEIVED

JAN 07 2008

FORM 9

DIV. OF OIL, GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL GAS WELL OTHER SEE ATTACHED LIST

2. NAME OF OPERATOR: RESOURCE DEVELOPMENT TECHNOLOGY, LLC N3445

3. ADDRESS OF OPERATOR: Suite 2000,
7175 W JEFFERSON AVE CITY LAKEWOOD STATE CO ZIP 80235 PHONE NUMBER: (303) 716-3200

4. LOCATION OF WELL
FOOTAGES AT SURFACE: SEE ATTACHED LIST COUNTY: GRAND
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:
SEE ATTACHED LIST
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:
SEE ATTACHED LIST
8. WELL NAME and NUMBER:
SEE ATTACHED LIST
9. API NUMBER:
SEE ATTACH
10. FIELD AND POOL, OR WILDCAT:
SEE ATTACHED LIST

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. N3025
OLD OPERATOR: PIONEER OIL & GAS; 1206 W. SOUTH JORDAN PARKWAY; UNIT B; SOUTH JORDAN, UT 84095-4551

NAME: Gregg B. Colton TITLE: Vice President
SIGNATURE: *Gregg B. Colton* DATE: 1/3/2008

EFFECTIVE DATE OF TRANSFER: 1JAN2008
BLM BOND NUMBER: LPM 8720545

NAME (PLEASE PRINT) STEVE STEPANEK TITLE MANAGING MEMBER
SIGNATURE *Steve Stepanek* DATE 12/22/07

(This space for State use only)
APPROVED 1/16/2008
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

**Addendum to Utah Form 9
Well Listing for Change of Operator
Pioneer Oil & Gas (Old Operator) to Resource Development Technology (New Operator)**

Well Name	Well No	API Nmbr	Sec	Twn	Rge	Qtr-Qtr	Footages	Lease Nmbr
Willow Creek East Unit	29-13	43-019-30738	29	19S	21E	SW SW	116'FSL & 11' FWL	U-0149777
Willow Creek East	30-5	43-019-30745	30	19S	21E	SE NW	1605' FNL & 1394' FWL	U-0149777
Armstrong Federal	12-1	43-019-31200	12	21S	18E	SW SE	573' FSL & 2140' FEL	U56529

Effective Date: January 1, 2008

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING
 1. DJJ
 2. CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

1/1/2008

FROM: (Old Operator): N3025-Pioneer Oil & Gas 1206 W South Jordan Parkway, #B South Jordan, UT 84095-4551 Phone: 1 (801) 566-3000	TO: (New Operator): N3445-Resource Development Technology, LLC 7175 W Jefferson Ave, Suite 2000 Lakewood, CO 80235 Phone: 1 (303) 716-3200
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WELL NAME	CA No.			Unit:				
	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
WILLOW CREEK E. 29-13	29	190S	210E	4301930738	9198	FEDERAL	GW	P
WILLOW CREEK EAST 30-5	30	190S	210E	4301930745	10919	FEDERAL	GW	S
ARMSTRONG-FEDERAL 12-1	12	210S	180E	4301931200	10360	FEDERAL	OW	S

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 1/7/2008
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 1/7/2008
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 1/16/2008
- a. Is the new operator registered in the State of Utah: YES Business Number: 6853923-0161
- b. If **NO**, the operator was contacted on: _____
- a. (R649-9-2)Waste Management Plan has been received on: Requested
- b. Inspections of LA PA state/fee well sites complete on: n/a
- c. Reports current for Production/Disposition & Sundries on: _____
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA
- Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
- Federal and Indian Communization Agreements ("CA"):**
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 1/16/2008
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 1/16/2008
- Bond information entered in RBDMS on: n/a
- Fee/State wells attached to bond in RBDMS on: n/a
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: LPM8720545
- Indian well(s) covered by Bond Number: n/a
- a. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- b. The **FORMER** operator has requested a release of liability from their bond on: n/a

COMMENTS: