

**Tenneco Oil
Exploration and Production**
A Tenneco Company

Rocky Mountain Division

Penthouse
720 South Colorado Blvd
Denver, Colorado 80222
(303) 756-7130

September 9, 1980

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

Re: Tenneco USA 29-13
1300 FSL, 500 FWL
Sec. 29, 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 Blvd.
Denver, CO 80222

Reference: Staking Request (PER)
Well 29-13
Section 29: 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,

C. Delano Backus
Area Manager

cc:
Grand County Road Supervisor

RECEIVED

SEP 18 1980

TENNESCO OIL CO.
DENVER

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

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 USA
9. WELL NO. 29-13
10. FIELD AND POOL, OR WILDCAT Entrada Test Wildcat
11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA Sec. 29, T19S, R21E
12. COUNTY OR PARISH Grand
13. STATE Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

b. TYPE OF WELL OIL WELL [] GAS WELL [X] OTHER [] SINGLE ZONE [X] 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 116.1 FSL, 11.2FWL SW SW At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE See Exhibit 5

10. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 116.1'
16. NO. OF ACRES IN LEASE 520.00
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 5100' Entrada
20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, BT, GR, etc.) 6370' GR
22. APPROX. DATE WORK WILL START Nov./Dec. 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Includes rows for 8 3/4" and 6 1/4" hole sizes.

Set 1-3 joints of 9 5/8", 36# K55 as conductor.
Preliminary Environmental Review - See Exhibits 8 & 9.
Archaeological survey completed.
Willow Creek East Unit.
See attached information

RECEIVED stamp

OCT 29 1980

DIVISION OF OIL, GAS & MINING

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: 11-5-80 BY: [Signature]

cc Glenn Doyle, U.S.G.S., Grand Junction, Colorado
Elmer Duncan, BLM, Vernal, Utah

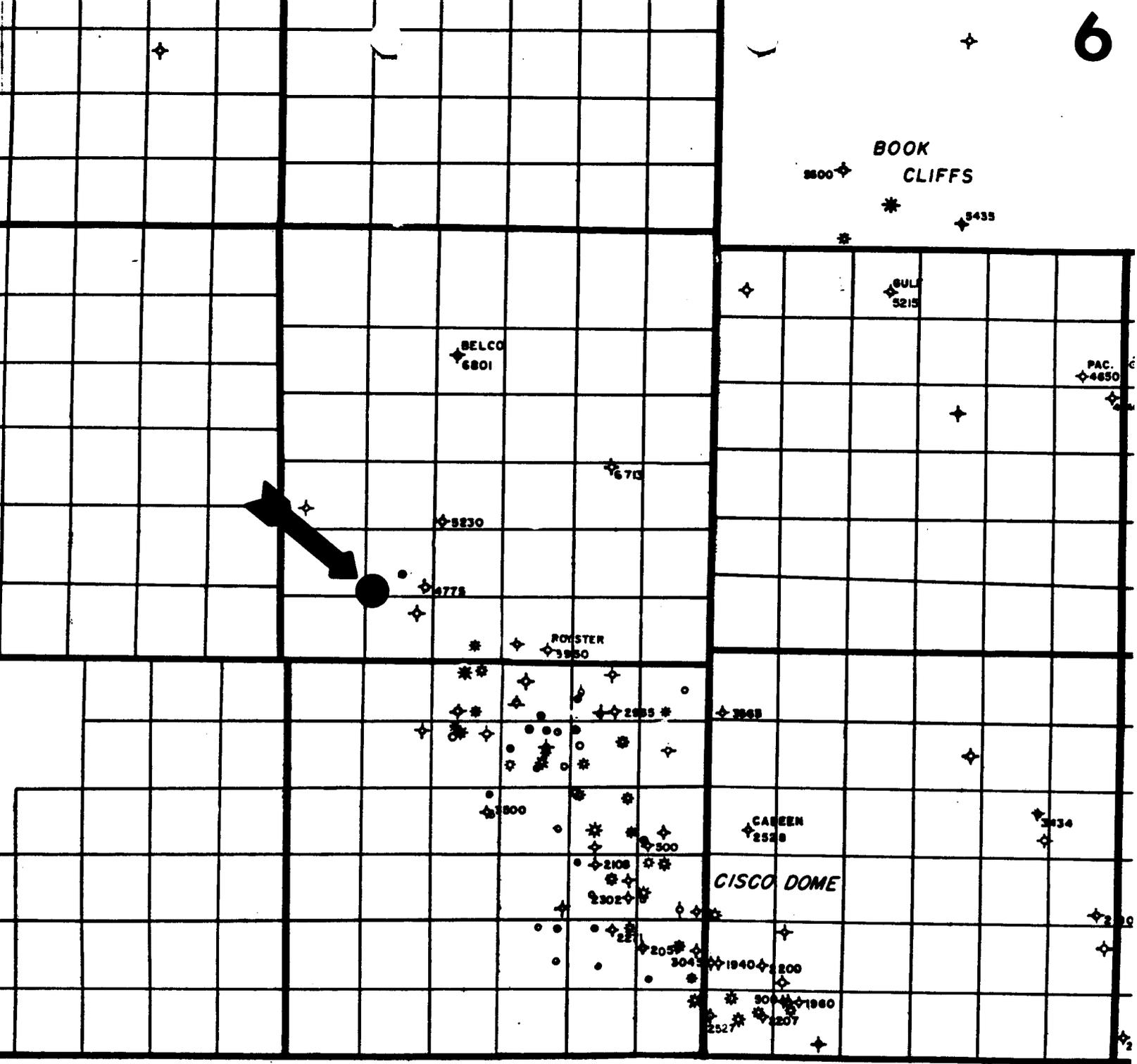
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present program, including casing and cementing program, if any.

24. SIGNED: [Signature] M.L. Freeman TITLE: Staff Production Analyst DATE: October 27, 1980

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE



R20E

R21E

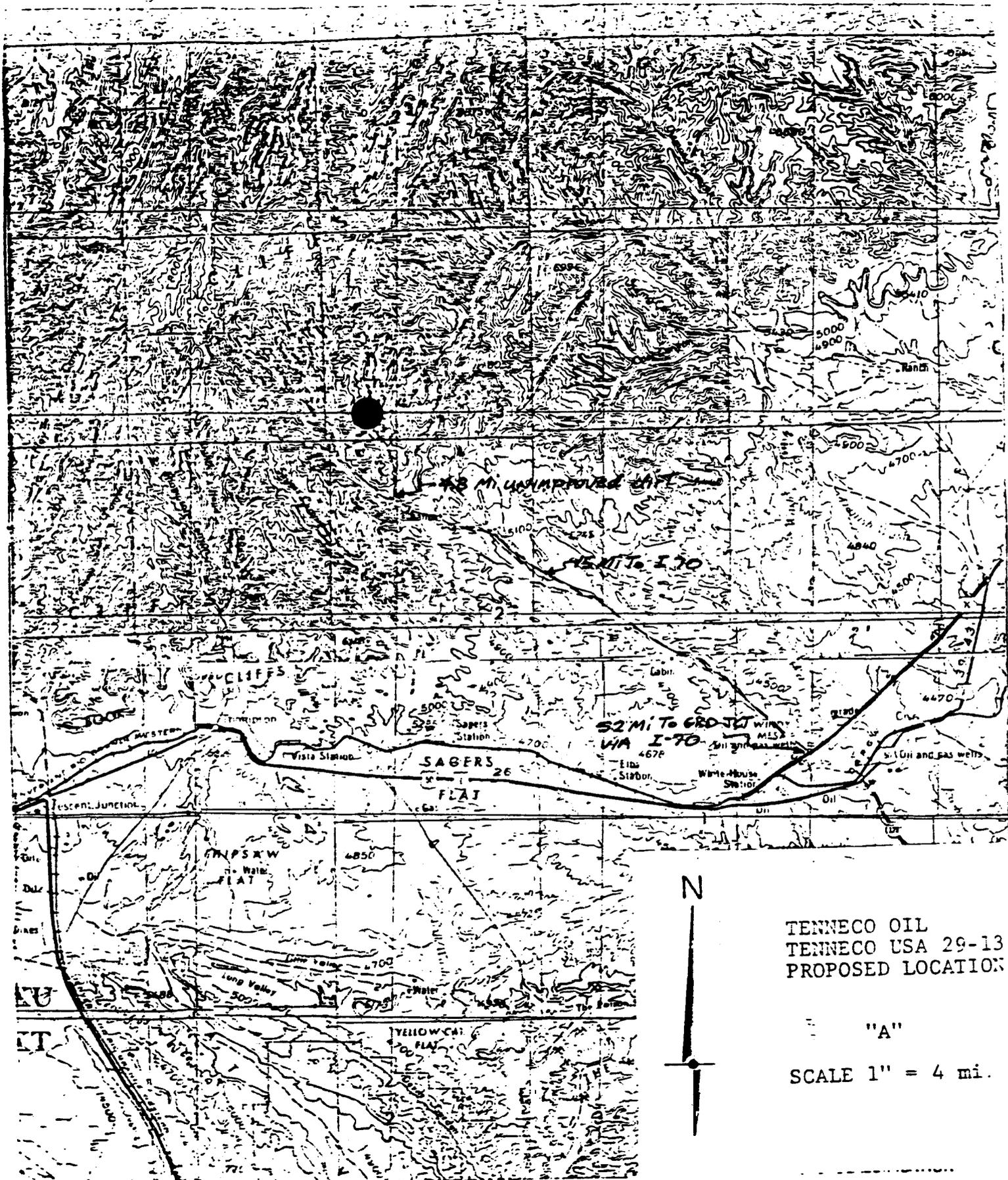
R22E

LEGEND

APR 16 1980

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

Scale: 1" = 2 Miles



TENNECO OIL
 TENNECO USA 29-13
 PROPOSED LOCATION

N

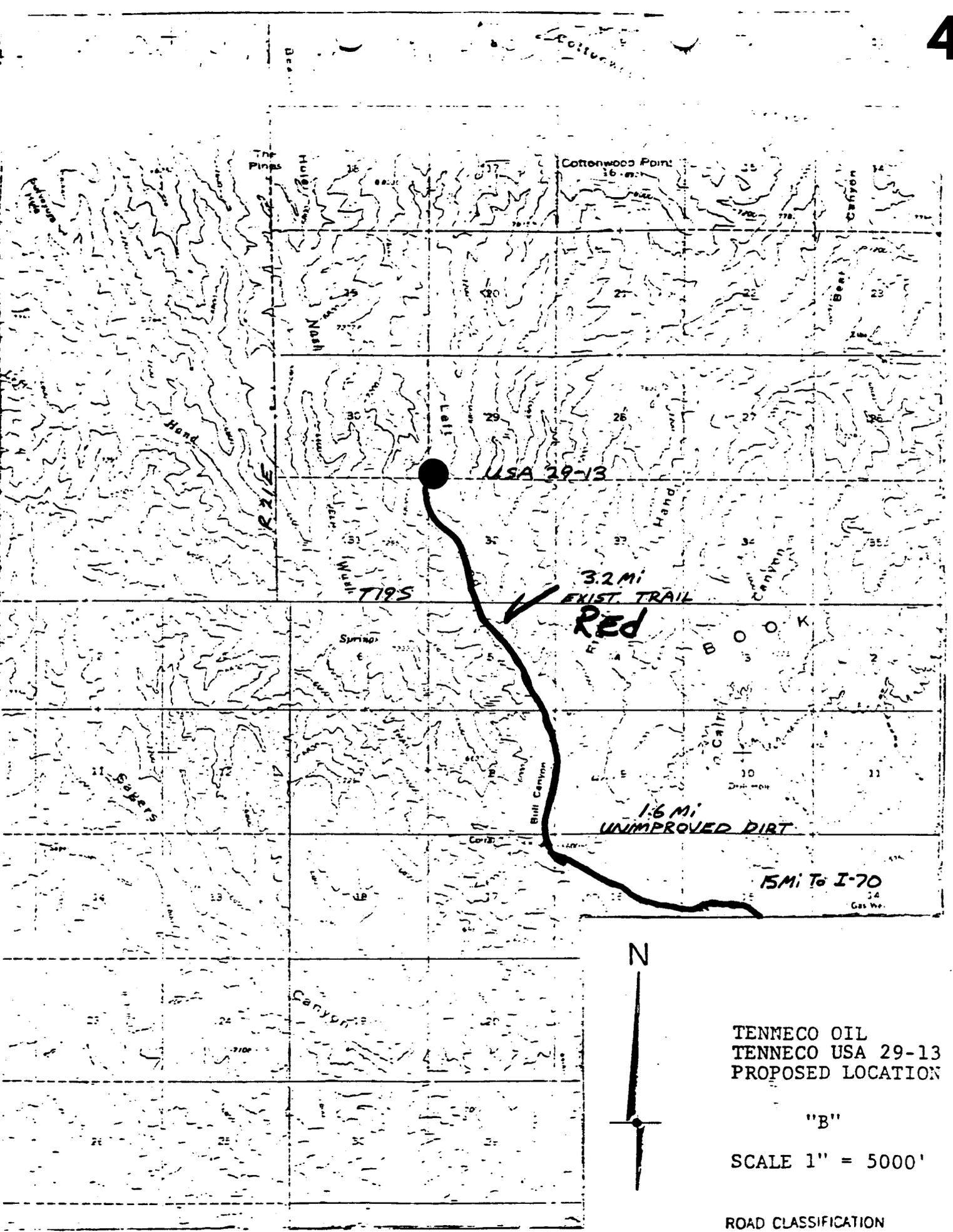


"A"

SCALE 1" = 4 mi.

Light-duty

Unimproved airt. -----



TENNECO OIL
 TENNECO USA 29-13
 PROPOSED LOCATION

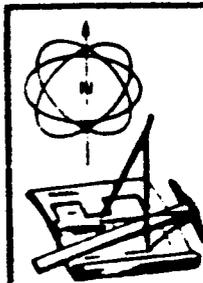
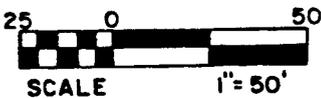
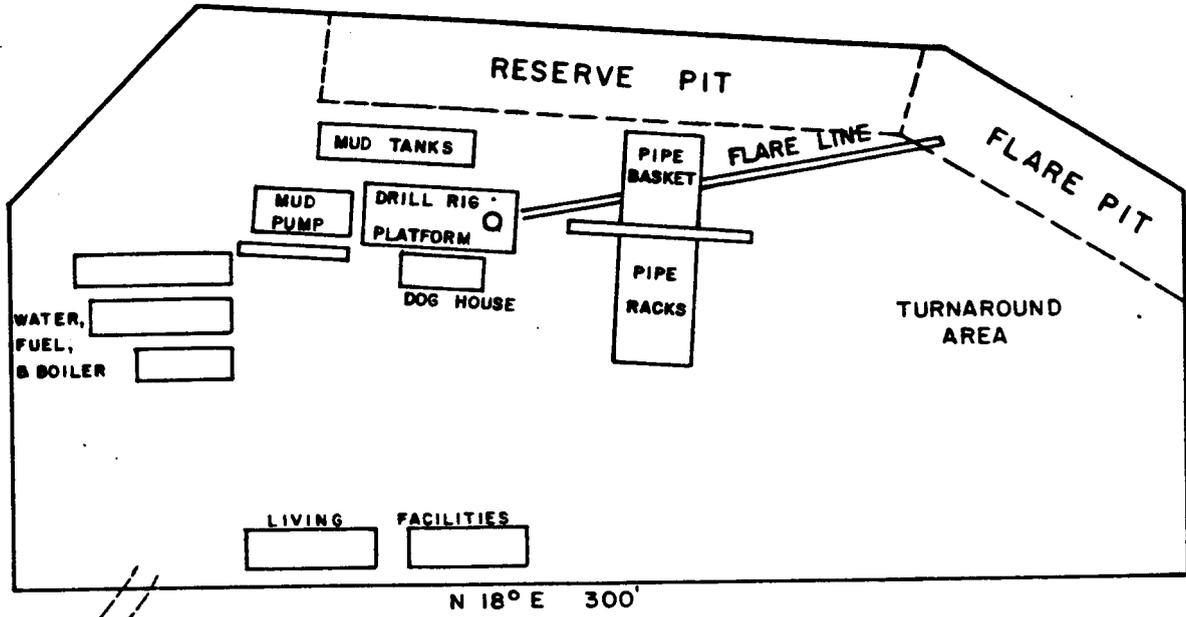
"B"

SCALE 1" = 5000'

ROAD CLASSIFICATION

Light-duty

Unimproved dirt



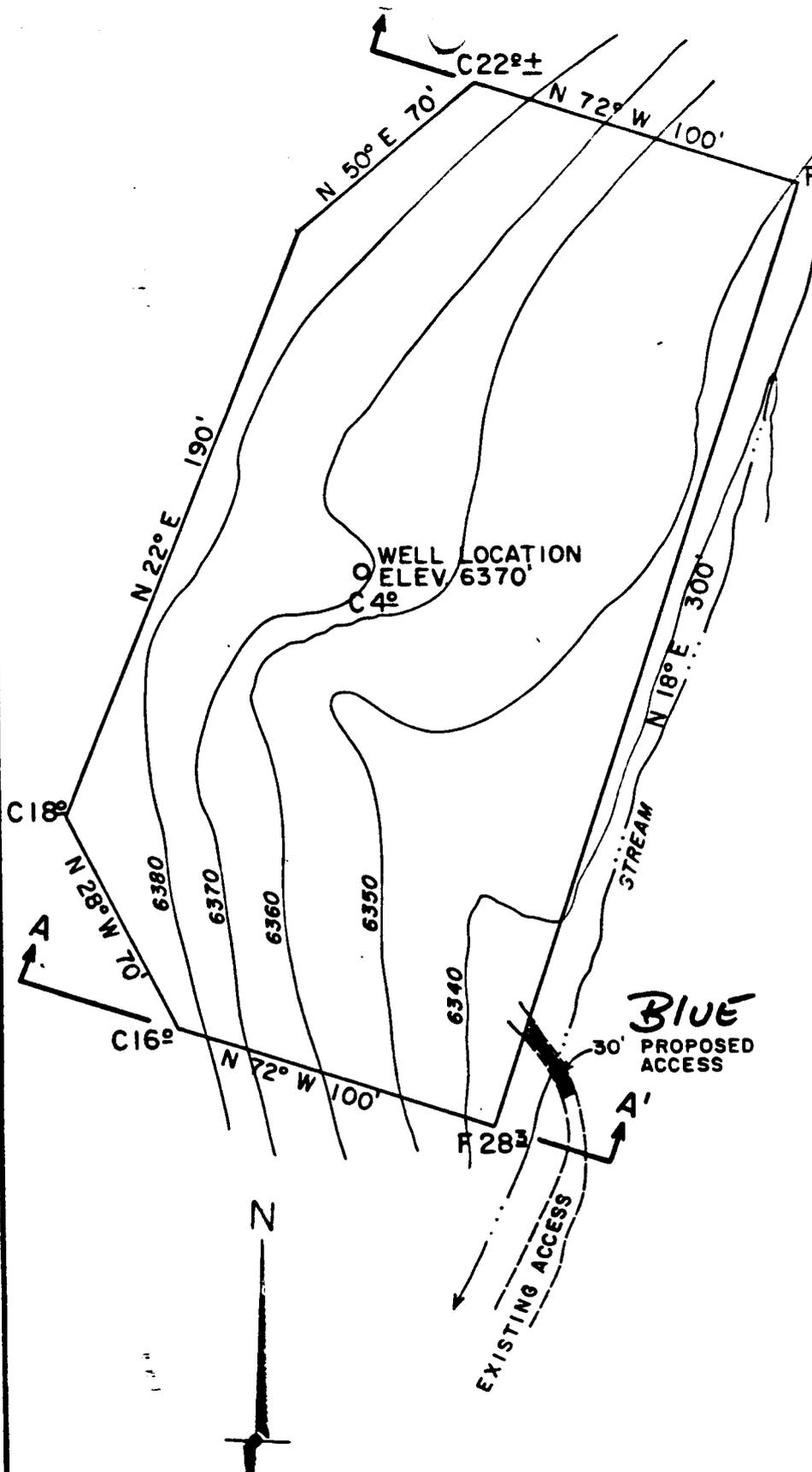
ARMSTRONG ENGINEERS and ASSOCIATES, INC.
 ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING
 861 ROOD AVENUE - GRAND JUNCTION, COLORADO 81501 - (303) 245-3867

SCALE 1" = 50'
 DATE 9-30-80
 DRAWN BY MEL
 CHECKED BY JHL
 DATE 9-20-80

TENNECO OIL
 TENNECO USA 29-13

SHEET 3 of 5

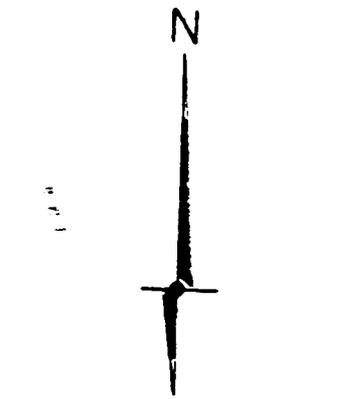
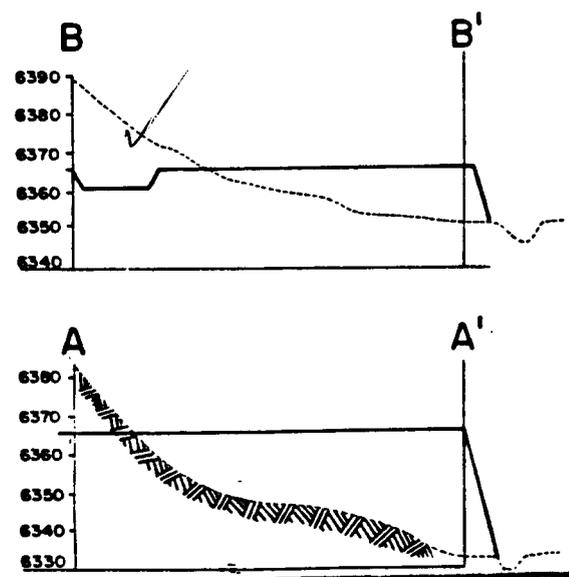
JOB NUMBER
 803002



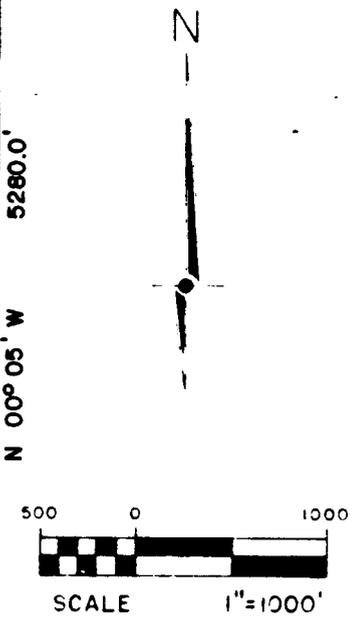
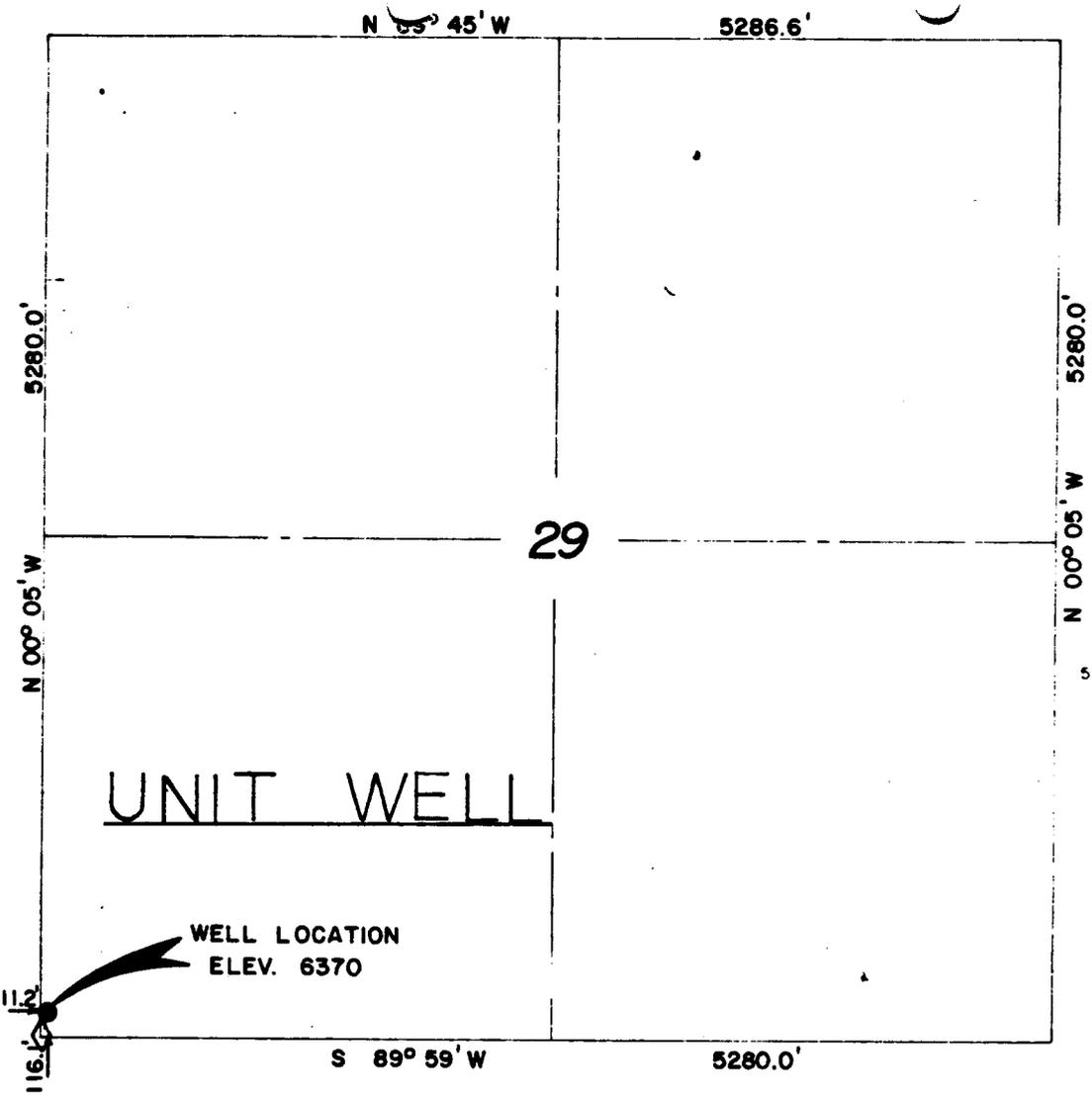
CUT / FILL

Cut = 9200 cu. yds.
 Fill = 8900 cu. yds.

CROSS SECTIONS



	ARMSTRONG ENGINEERS and ASSOCIATES, INC. ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING 867 ROOD AVENUE - GRAND JUNCTION, COLORADO 81501 - (303) 245-3861	
	SCALE 1" = 50'	TENNECO OIL TENNECO USA 29-13
	DATE 9-30-80	CHECKED BY MEL
	DRAWN BY JHL DATE 9-20-80	SHEET 2 of 5
		JOB NUMBER 803002



◇ FOUND MOUND OF STONES WITH LATH AND STAKE FOR THE SECTION CORNER

WELL LOCATION
 11.2 FT. E.W.L. - 116.1 FT. N.S.L.
 SECTION 29, T.19 S., R. 21 E., S.L.B. & 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'	TENNECO OIL TENNECO USA 29-13
	DATE 9/30/80	SHEET 1 of 5
	SURVEYOR SZH	
CHECKED BY EAA	JOB NUMBER 803002	
DATE OF ENTRY 9/20/80		

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: August 8, 1980

LEASE: Tenneco USA

WELL NO.: 29-13

LOCATION: 116.1 FSL, 11.2' FWL
Section 29, T19S, R21E
Grand County, Utah

FIELD: Willow Creek East

ELEVATION: 6370'

TOTAL DEPTH: 5100'

PROJECTED HORIZON: Entrada

SUBMITTED BY: Bruce Ladd DATE: August 8, 1980

APPROVED BY: _____ DATE: _____

CC: Administration
DSB Well File
Field File

ESTIMATED FORMATION TOPS

Mesa Verde	Surface
Mancos	700
Castlegate	1000 (Water or Gas)
Frontier	3890
Dakota Silt	4150
Dakota	4275 (Gas)
Morrison	4425 (Gas or Water)
Salt Wash	4665 (Gas or Water)
Entrada	5025 (Gas or Water)
T.D.	5100

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 1200' 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:	1200' ±. 7", 23#, K-55, ST&C
PRODUCTION:	5100' , 4 1/2", 10.5#, K-55, ST&C

MUD 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:

- | | | |
|----------|------------------|--|
| 0-1200' | 1 ⁰) | Surveys to be run every 500' or on trips, whichever comes first. Record surveys on IADC Drilling Report Sheet. |
| 1200'-TD | 5 ⁰) | Maximum allowable deviations: <ol style="list-style-type: none"> (1) 1⁰ change per 100' intervals (2) 1⁰ at surface casing setting depth. (3) 5⁰ at T.D. |

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

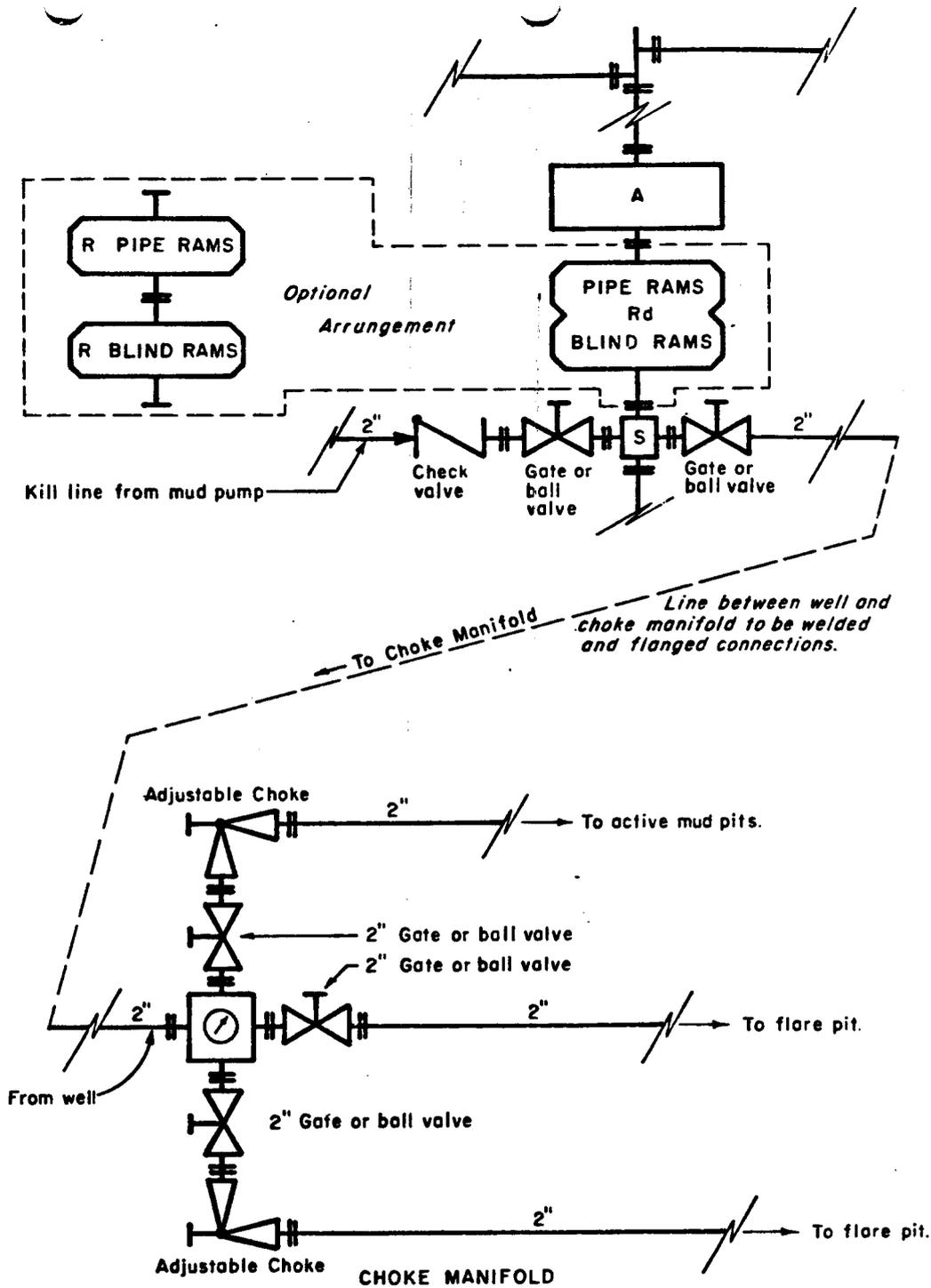
Samples: NONE.

Logs:

SNP/GR)) Air drilled.	FDC/CNL)) Mud Drilled.
FDC/GR)		DIL/LL8 w/SP)	
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
CHOKES MANIFOLD**

J. MAGILL 10-26-79 EVI

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 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. Temporary access will be built 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 construction of the new access 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 - Cuts and fills will be kept to a minimum as all but
Max: fill - 30' of the access is existing.
6. **Surfacing Material:**
The proposed permanent access road will be constructed with native material.
7. **Gates, Cattleguards, Fence Cuts:** Not needed.
8. **New portion of road will be center flagged.**

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:** N/A
- B. **Abandoned Wells:** See Exhibit 6
- C. **Temporarily Abandoned Wells:** See Exhibit 6
- D. **Disposal Wells:** N/A
- E. **Drilling Wells:** N/A
- F. **Producing Wells:** See Exhibit 6
- G. **Shut-In Wells:** N/A
- H. **Injection Wells:** N/A
- 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 10 shows our most typical arrangement for this area.
2. Dimensions of the facilities are shown in Exhibits 3 and 10 .
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 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 3
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 re-seeded per Bureau of Land Management requirements.

XI. OTHER INFORMATION

- A. Surface Description: The proposed site is located in the upper reaches of left hand canyon. The topography is broken mesas and erosional gullies. The soil is sandy, sandy clay supporting pinon, juniper, sage, rabbitbrush, cactus and mountain mahogany.
- 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: No live springs in the immediate area.
 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 27, 1980


M. L. Freeman
Staff Production Analyst

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

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name Tennessee Willow Creek East Unit #29-12
 Project Type Wildcat Gas Test (Unit Obligation)
 Project Location 116.1' FSH, 11.2' FWL, Sec. 29, T19S, R21E, Grand Co.
 Date Project Submitted October 29, 1980 Utah

FIELD INSPECTION

Date January 20, 1981

Field Inspection
 Participants

Lee Freeman - Tennessee
Dallas Galley, Leonard Lewis - Galley Construction
Spencer Davis - Northwest Pipeline
Elmer Duncan - BLM
Glenn Doyle - USGS

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.

April 29, 1981
 Date Prepared

Glenn M. Doyle
 Environmental Scientist

I concur

5/4/81
 Date

E. W. [Signature]
 District Supervisor

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
	Correspondence (date)	Phone check (date)	Meeting (date)						
Public health and safety					1, 2				
Unique characteristics	1-4/30/81*								
Environmentally controversial	1-4/30/81*								
Uncertain and unknown risks						4			
Establishes precedents					1, 2				
Cumulatively significant					1, 2		6		
National Register historic places	1-4/30/81								
Endangered/threatened species	1-4/30/81								
Violate Federal, State, local, tribal law						4			2

* See BLM stipulations and restrictions on wells within a protested WSHA

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



United States Department of the Interior

IN REPLY REFER TO

3109
(U-068)

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

APR 29 1981

Memorandum

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

From: Area Manager, Grand

Subject: Tenneco Oil Company
Tenneco USA 29-13, Lease #U-0149777
SW/SW Section 29, T. 19 S., R. 21 E., SLB&M
Grand County, Utah

On January 20, 1981 a representative from this office met with Glenn Doyle, USGS, and Lee Freeman, agent of the Tenneco Oil Company for an inspection of the above referenced location. Subject to the attached conditions and written approval from 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 lease 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 Interior Management & Policy (IMP). Because this unit is under protest its status may change without prior notice to the Usee. This WSA is subject to IMP "undue & unnecessary degradation" 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 Company.

Enclosures: (3)
1-Reclamation Procedures
2-Seed Mixture
3-Suggested Colors - Production Facilities

STANDARD STIPULATIONS FOR OIL & GAS EXPLORATION

Contact this office at least 48 hours prior to beginning construction of access road and pad.

Stockpile the surface 12 inches of topsoil in a wind-row on the north end of the location.

The upper banks (uphill side) of all cuts will be rounded during construction of the pad.

Notify the BLM District Archaeologist if cultural material from sub-surface deposits is exposed during the operation.

The bottom half of the reserve pit will be lined with at least 2 inches to 3 inches of bentonite spread over the surface and raked into the soil.

The trash cage will be at the location and fenced with fine mesh wire during drilling operations.

The "blooey" line will be centered and directed into the pit.

If production is obtained, the access road will be upgraded to BLM specifications for long-term roads as outlined in the surface use standards section of the "Oil and Gas" pamphlet (joint BLM, USGS and USFS publication).

If production is obtained, all production facilities will be painted. (See enclosed suggested colors - for facilities).

Rehabilitation of the site and access road will be accomplished in accordance with the enclosed restoration procedures.

Production facilities and pipeline route are approved on this location under lease rights.

As agreed upon at the pre-drill field examination -

Access -

- 1) The approximate 3.5 mile of existing road in Bull Canyon, from section 16 to the location will be up-graded to be passable for hauling equipment to the drill site.
- 2) Low water crossings will be used in each drainage for water control. Berms will not be left along the edge of the road near the canyon.
- 3) Surface up-grading of the road will be kept to a minimum until production of the well is determined.
- 4) Travel surface will be 18 feet wide.

Location -

- 1) Re-route main Bull Canyon drainage along east side of the pad.
- 2) Rip-rap east edge of pad with rock to prevent a wash out of pad area. Rocks will form base of pad, soils placed on top. Face of pad will be rock rip-rapped.
- 3) Smaller drainage along west side of pad will be routed to south and east along the south edge of the pad to Bull Canyon.
- 4) Pit(s) will be placed in the cut part of the pad, 100 feet long X 20 feet wide X 10 feet deep and lined with 2-3 inches of bentonite or gel.
- 5) Trees (pinon & juniper) removed from the pad will be piled to the north and behind the top soil.
- 6) An area at least 1.5 cat blades wide will be cleared behind the flare pit for fire prevention.
- 7) Pits will be fenced with 5 strands of barbed wire along three sides prior to well drilling. The fourth side will be fenced prior to rig removal.

Restoration -

Producer -

- 1) The non-producing disturbed surface area (from 15 feet outside the deadmen or anchors out to the edge of the disturbed area) will be re-contoured, top soils replaced, ripped and seeded.

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.).

Seed Mixture

<u>Species</u>		<u>Rate</u> <u>lbs/acre</u>
<u>Grasses</u>		
Oryzopsis hymenoides	Indian rice grass	1
Elymus salinus	Salina wildrye	1
<u>Forbs</u>		
Melilotus officinalis	Yellow sweetclover	.5
Hedysarum boreali var utahvensis	Utah northern sweetvetch	.5
<u>Shrubs</u>		
Atriplex canescens	4-Wing salt bush	1
Cowania mexicana	Mexican cliffrose	<u>1</u>
		5



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO

3109

BUREAU OF LAND MANAGEMENT

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)
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)

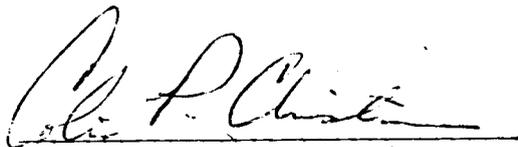
1. "Non-impairment" - IMP (FLPMA)
2. "Undue & unnecessary degradation" - IMP (FLPMA)
3. Business as usual - non-IMP (not subject to FLPMA)

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.



Lease research shows this lease was existing prior to FLPMA (October 21, 1976).

According to the Federal Register, a November 7, 1980, U.S. District Court decision by Judge Edwing T. Kerr, Pre-FLPM leases (October 21, 1976) will no longer be subject to nonimpairment criteria as outlined in BLM's Interim Management Policy for Lands Under Wilderness Review.

This lease falls into the "Grandfather" criteria, but is subject, "to prevent undue and unnecessary degradation," criteria.

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

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

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

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. 11-0149777

OPERATOR: Tenneco Oil Co.

WELL NO. 29-13

LOCATION: SW 1/4 SW 1/4 SW 1/4 sec. 29, T. 19S., R. 21E., SLM

Grand County, Utah

1. Stratigraphy: Operator tops seem reasonable

Mesaverde	surface		
Mancos	700'	Morrison	4425'
Castlegate	1000'	Salt Wash	4665'
Frontier	3890'	Entrada	5025'
Dakota Silt	4150'	<u>TD</u>	<u>5100'</u>
Dakota	4275'		

2. Fresh Water:

Possible to the base of the Castlegate (~0 to 1100').

3. Leasable Minerals:

Coal in the Mesaverde from surface to top of Mancos. Minor coal may also exist in the Dakota.

4. Additional Logs Needed:

Gamma ray - Neutron or gamma ray & density log through Mesaverde coal zone. Gamma ray, resistivity, and density logs should be run through Dakota for coal identification.

5. Potential Geologic Hazards:

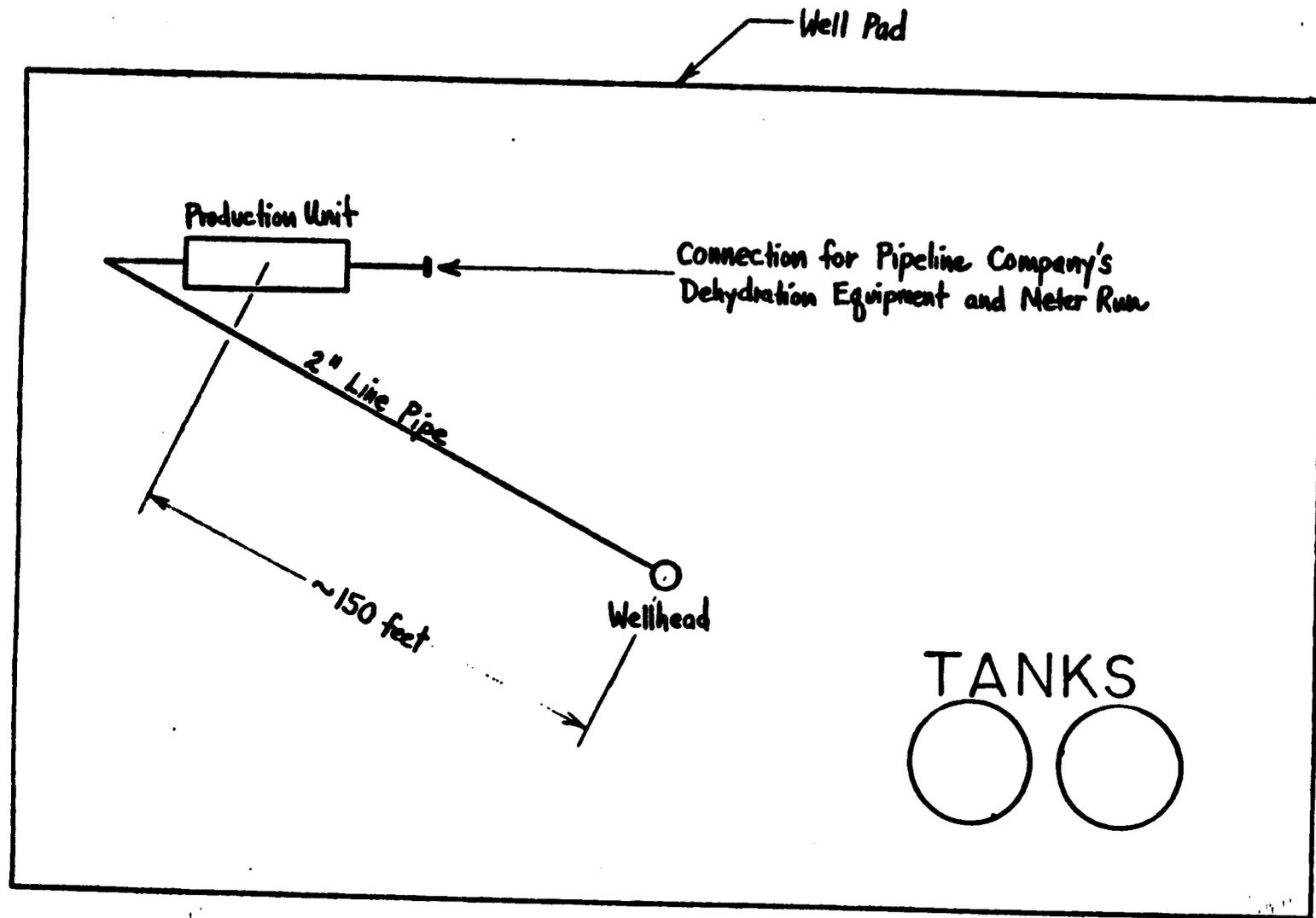
None expected

6. References and Remarks:

Signature: Gregory W. Wood

Date: 11-22-80

PROBABLE EQUIPMENT INSTALLATION



NOT TO SCALE

** FILE NOTATIONS **

DATE: October 30, 1980
OPERATOR: Tennessee Oil Company, Inc
WELL NO: Willow Creek East 29-13
Location: Sec. 29 T. 19S R. 21E County: Grand

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-019-30738

CHECKED BY:

Petroleum Engineer: M.J. Minder 11-5-80

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 Fed.

Plotted on Map

Approval Letter Written

Hot Line

P.I.

November 17, 1980

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

Re: Well No. Willow Creek East 29-13
Sec. 29, 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

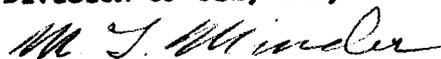
Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

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 43-019-30738.

Sincerely,

DIVISION OF OIL, GAS, AND MINING



Michael T. Minder
Petroleum Engineer

/ka
cc: USGS

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: 116 FSL, 11 FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: same

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

5. LEASE
U - 0149777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Willow Creek East

8. FARM OR LEASE NAME
Tenneco USA

9. WELL NO.
29-13

10. FIELD OR WILDCAT NAME
Entrada Test

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 29, T19S, R21E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.
43-019-30738

15. ELEVATIONS (SHOW DF, KDB, AND WD)
Ground 6370'

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other) change name

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

RECEIVED
MAR 3 1981
DIVISION OF
OIL, GAS & MINING

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Fully 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 #29-13.

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

(This space for Federal or State office use)

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

DUPLICATE
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 USA

9. WELL NO.
29-13

10. FIELD AND POOL, OR WILDCAT
Entrada Test

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
Sec. 29, T19S, R21E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

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
116.1 FSL, 11.2FWL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
See Exhibit 5

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
116.1'

16. NO. OF ACRES IN LEASE
520.00

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
5100'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6370' 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	±1200'	Circulate to surface
6 1/4"	4 1/2" new	10.5# K55	±5100'	Cover all productive zones

Set 1-3 joints of 9 5/8", 36# K55 as conductor.

Preliminary Environmental Review - See Exhibits 8 & 9.

Archaeological survey completed.

Willow Creek East Unit.

See attached information

cc Glenn Doyle, U.S.G.S., Grand Junction, Colorado
Elmer Duncan, BLM, Vernal, Utah



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 27, 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY: E.W. Gynn TITLE: DISTRICT ENGINEER DATE: MAY 08 1981

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

*See Instructions On Reverse Side

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

NOTICE OF APPROVAL

Production Facilities and Flowline NOT Approved

State Dir Gas

DIVISION OF OIL, GAS AND MINING

P

SPUDDING INFORMATION

NAME OF COMPANY: Tenneco Oil

WELL NAME: USA 29-13 SW SW

SECTION 29 TOWNSHIP 19S RANGE 21E COUNTY Grand

DRILLING CONTRACTOR Brinkerhoff Signal

RIG # 32

SPUDDED: DATE 6-18-81

TIME 2:00 a.m.

How rotary

DRILLING WILL COMMENCE _____

REPORTED BY Lilly Stockman

TELEPHONE # 303-858-9481

DATE 6-9-81

SIGNED D.B.

Tennessee
Oil Comp.

NOTICE OF SPUD

Caller: Lilly Stockman

Phone: _____

RECEIVED
JUN 23

Well Number: USA - 29-13

Location: SW SW - 29 - 195 - 21E

DIVISION OF
OIL, GAS & MINING

County: Grand State: Utah

Lease Number: U-0149777

Lease Expiration Date: _____

Unit Name (If Applicable): Willow Creek East

Date & Time Spudded: 2:00 P.M. 6/18/81

Dry Hole Spudder/Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) 4850' GR

Rotary Rig Name & Number: Beinkerkhoff #32

Approximate Date Rotary Moves In: _____

FOLLOW WITH SUNDRY NOTICE

Call Received By: Ulli

Date: 6/19/81

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
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: 116 FSL 11 FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

5. LEASE
U-0149777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Willow Creek East Unit

8. FARM OR LEASE NAME
Tenneco USA

9. WELL NO.
29-13

10. FIELD OR WILDCAT NAME
Entrada Test

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 29 T19S R21E

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

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6370' gr

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

Tenneco proposes the following changes in their casing & cementing program as outlined on the APD for the above referenced well.
Set 1 ft 14" conductor. Cmt w/ 40 sx Redi-Mix.
12 1/4" 9 5/8" 36# + 300' Circ cmt to surface
8 3/4" 7" 23# + 1200' Circ cmt to surface
6 1/2" 4 1/2" 10.5# + 5100' Cover all productive zones

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**
DATE: 7/21/81
BY: [Signature]

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

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

SIGNED [Signature] TITLE Asst. Div. Adm. Mgr. DATE 6/23/81

(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 an oil or gas well or to install a wellhead or 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: 116.1 FSL 11.2 FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

PROCESSED
JUL 20 1981
DIVISION OF
GAS & MINING

5. LEASE
U 0149777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Willow Creek East

8. FARM OR LEASE NAME
Tenneco USA

9. WELL NO.
29-13

10. FIELD OR WILDCAT NAME
Entrada Test

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 29, T19S R21E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6370' 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 checked="" 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)	<input type="checkbox"/>	<input type="checkbox"/>

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

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

6/23/81 - Ran 27 jts 7" 23# K-55 ST&C csg 1049' shoe @ 1047' KB and float collar @ 1011'. Circ cmt w/10 bbls H2O ahead and 780 sx Class G w/2% CACL and 1/4# sx D-29. Float failed. WOC.

6/24/81 - Chip cmt out of well head. Set slips. Test well head to 500 PSI for 15 min. NUBOPS. Redrill mousehole. Test blind rams, choke manifold to 1000 PSI.

6/25/81 - TIH w/BHA, test BOP to 1000 PSI for 15 min.

7/9/81 - Drilling. Check BOPS. Circ for logs. Short trip. Circ.

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

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

SIGNED *[Signature]* TITLE Production Analyst DATE 7/10/81

(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: 116.1 FSL 11.2 FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

DIVISION OF
OIL, GAS & MINING

5. LEASE
U-0149777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Willow Creek East Unit

8. FARM OR LEASE NAME
Tenneco USA

9. WELL NO.
29-13

10. FIELD OR WILDCAT NAME
Entrada Test

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 29, T19S R21E

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

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6370' gr.

D

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 checked="" 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)	<input type="checkbox"/>	<input type="checkbox"/>

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

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

7/10/81 - Circ. WO loggers. TOOH. Log well. Run side well sample shots. Shoot 44 sidewall cores, recover 77%.

7/11/81 - LDDP. Ran 114 jts of 4-1/2" (4799') 10.5# K-55 ST&C csg. Shoe @ 4797'. Cmt w/10 bbls DC8 mud flush and 225 sx mod self stress #2. Class G and .1% D53 and .75% D65. PD w/1000 psi. Float held ok. NDBOPS. Set slips. Install X-mas tree. PT to 1000 psi. ok. Release rig.

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

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

SIGNED Don Hare TITLE Production Analyst DATE 7/17/81

(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: 116.1' FSL 11.2' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-0149777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Willow Creek East

8. FARM OR LEASE NAME
Tenneco USA

9. WELL NO.
29-13

10. FIELD OR WILDCAT NAME
Entrada Test

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 29, T19S R21E

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

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6370' 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 checked="" 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)		

(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.)*

8/2/81 - MIRUSU, NDWH, NUBOP.
8/5/81 - Drld out to 4750'. Rolled hole w/2% KCL water. PT csg to 4000 psi. OK. Swabbed FL down to 3700'. POOH w/bit and tbg. Ran gauge ring and JB to PBTD. No tite spots found. RIH w/gun and perf'd Entrada w/w JSPF from 4737-47'. Total of 10' and 10 holes. No gas shows @ surface. PU 4-1/2" tension pkr and F nipple. RIH and set pkr @ 4685'. Made 5 swab runs to SN. No fluid entry or show.

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

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

SIGNED *[Signature]* TITLE Production Analyst DATE 8/7/81

(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

RECEIVED
AUG 11 1981
DIVISION OF
OIL, GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS.

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use 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: 116.1' FSL 11.2' 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 checked="" 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)	<input type="checkbox"/>	<input type="checkbox"/>

5. LEASE
U-0149777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Willow Creek East

8. FARM OR LEASE NAME
Tenneco USA

9. WELL NO.
29-13

10. FIELD OR WILDCAT NAME
Entrada TEst

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 29, T19S R21E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6370' 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.)*

8/6/81 - Open well. No gas show in Entrada. Made 1 swab and broke down perms w/KCL water @ 950 psi. ISIP vacuum. Total load 20 bbls. Made 6 swabs and recovered 20 BW. Made 3 more w/no fluid entry. No pressure. No gas shows. Released pkr and POOH. RIH and set CIBP @ 4643'. Dumped 10' cmt on top of BP. RIH w/perfg gun and perf'd Morrison w/l JSPF from 4433-4445' (12', 12 holes). No show of gas to surface.

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

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

SIGNED [Signature] TITLE Production Analyst DATE 8/14/81

(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: 116.1 FSL 11.2 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 checked="" 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) <input type="checkbox"/>	

5. LEASE
U-0149777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Willow Creek East

8. FARM OR LEASE NAME
Tenneco USA

9. WELL NO.
29-13

10. FIELD OR WILDCAT NAME
Entrada Test

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 29, T19S R21E

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

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6370' 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.)*

8/7/81 - No show of gas. RIH w/pkr and tbg. Ran pkr below perms. PT cast iron bridge plug to 2000 psi. OK. Pull up and set pkr @ 4352'. Break down Morrison perms w/500 gal 7-1/2% MSR acid and 15 ball slrs. AIR 5 BPM, AIP 2000 psi. ISIP 1100 psi. 15 min SIP 500 psi. Swabbed 5 hrs. Swabbed fluid level down to SN. Recovered 25 BIW. No slow of gas.

8/8/81 - Swabbed 40 bbls fluid. No gas shows.

8/9/81 - Made 10 swab runs, recovered 23 BW. No gas shows.

8/11/81 - POOH w/tbg and pkr. Set CIBP @ 4345' w/10' cmt on top. Perf'd Dakota w/1 JSPF from 3998-4015', 4046-4056' (27', 27 holes). RIH w/tbg and pkr. PT CIBP to 2000 psi. OK.

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

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

SIGNED [Signature] TITLE Production Analyst DATE 8/21/81

(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: 116.1' FSL 11.2 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 checked="" 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) _____	

5. LEASE
U-0149777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Willow Creees East

8. FARM OR LEASE NAME
Tenneco East

9. WELL NO.
29-13

10. FIELD OR WILDCAT NAME
Entrada Test

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 29, T19S R21E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6370' 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.)*

8/13/81 - Acidize Dakota w/1000 gals 7-1/2% MSR w/40 ball slrs. Good ball action. AIR 4 1/2 BPM, AIP 2300 psi, 10 min SIP 0 psi. Made 50 swab runs. Rec'd 40 bbls acid water, 4l BLTBR. Had good gas shows.

8/14/81 - SITP 900 psi. Bled down well. Started flowing oil and gas. Est rate after 15 min flow, 86 psi TP on 1/4" orifice was 115 MCFPD. 30 min flow rate w/42 psi was 77 MCFPD. RD MOSU.

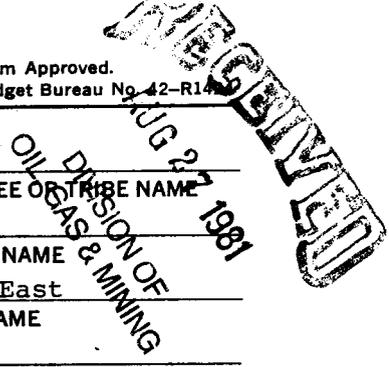
Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED John M. Kane TITLE Production Analyst DATE 8/21/81

(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: 116.1' FLS 11.2 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 checked="" 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)	

5. LEASE
U-0149777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Willow Creek East

8. FARM OR LEASE NAME
Tenneco USA

9. WELL NO.
29-13

10. FIELD OR WILDCAT NAME
Entrada Test

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 29, T19S R21E

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

14. API NO.

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

SEP 02 1981

(NOTE: Report results of multiple completion or zone change.)
DIVISION OF
OIL, GAS & MINING

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

8/19/81 - Testing flow rate.
8/21/81 - MIRUSU. Release pkr. POOH w/2 3/8" tbg and pkr. RIH w/115 jts 2 3/8" tbg open ended. Tbg @ 3694'.
8/22/81 - Frac'd Dakota w/18,816 gals 75% quality foam and 84,000# 20/40 sand. AIR 32 BPM, AIP csg 3200 psi, AIP tbg 5645 psi. Opened well to pit after 2 hrs on 1/2" tapped bull plug.
8/23/81 - Killed well w/80 bbls 2% KCL water. RIH w/logging tools tagged sand @ 4245'. Logged from 4245 to 3400'. POOH w/logging ttols. RIH w/4 jts 2 3/8" tbg. Landed @ 4098'. DNBOP. NUWH.
8/24/81 - RD MOSU.

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

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

SIGNED *David 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:

**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.

13

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR
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 116.1' FSL 11.2' FWL
At top prod. interval reported below
At total depth

NOV 26 1981

SW SW

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 USA

9. WELL NO.
29-13

10. FIELD AND POOL, OR WILDCAT
~~Dakota~~ *Wildcat*

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 29, T19S R21E

14. PERMIT NO. 43-019-30738 DATE ISSUED 11-5-80
12. COUNTY OR PARISH Grand 13. STATE Utah

15. DATE SPUDDED 6/17/81 16. DATE T.D. REACHED 7/11/81 17. DATE COMPL. (Ready to prod.) 9/22/81 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6370' gr. 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 4797' 21. PLUG, BACK T.D., MD & TVD 4245' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY → 0'-TD ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3998-4056' Dakota ✓ 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN SNPL, CPDL, BCSL, DI/SPL 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#	360'	12-1/4"	160sx CL-H	
7"	23#	1047'	8-3/4"	780sx C1-G	
4-1/2"	10.5#	4797'	6-1/4"	225sx	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	4098'	

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

PERFORATION	ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
3998-4015' @ 1 JSPF	DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
4046-4056' CIBP @ 4643'	4433-4445' 500 gals 7-1/2% MSR, 1000 gals
4737-47' CIBP @ 4345'	3998-4056' 7-1/2% MRS, 18,816 gals 75% quality foam, 84,000# 20/40 sand

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
8/14/81	Flowing	Shut-in					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/22/81	24	1/4"	→	60	525		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
576 PSI	722 PSI	→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold 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 *[Signature]* TITLE Production Analyst DATE 9/30/81

*(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		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			TOP
			MEAS. DEPTH
			TRUE VERT. DEPTH
Dakota	3998	4017	Gas - condensate
Dakota	4046	4056	Gas - condensate
Morrison	4433	4445	Gas

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

BUDGET BUREAU NO. 1004-0135
EXPIRES AUGUST 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
U-0149777

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT ABBREVIATION NAME
Willow Creek East

8. FARM OR LEASE NAME
Tenneco USA

9. WELL NO.
29-13

10. FIELD AND POOL, OR WILDCAT
Entrade Test

11. SEC., T., R., N., OR BLK. AND SUBST OR AREA
SEC. 29 T19S R21E

12. COUNTY OR PARISH 13. STATE
Grand UT

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
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.*
See also space 17 below.)
At surface
116.1' FSL 11.2' FWL

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, ST, OR, etc.)
6370' GL

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

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

(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 do a production test for an extended period of time on the referenced well. We will collect any liquids produced with a separator and test tanks. We also request permission to flare the gas while testing for 90 days, with a possible extension.

ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 5/23/85
BY: John R. Bay

Federal approval of this action is required before commencing operations.

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

SIGNED John McKinnis TITLE Sr. Regulatory Analyst DATE May 13, 1985

(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)

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

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 USA

9. WELL NO.

29-13

10. FIELD AND POOL, OR WILDCAT

Entrade Test

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

Sec. 29, T19S, R21E

12. COUNTY OR PARISH 13. STATE

Grand

UT

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
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 all applicable requirements. See also space 17 below.)
At surface
116.1' FSL 11.2' FWL

RECEIVED
MAY 20 1985
**DIVISION OF OIL
GAS & MINING**

43-019-30738

14. PERMIT NO.

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

6370' GL

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other) _____

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

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

Tenneco requests permission to do a production test for an extended period of time on the referenced well. We will collect any liquids produced with a separator and test tanks. We also request permission to flare the gas while testing for 90 days, with a possible extension.

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

SIGNED

Scott McKinnis

TITLE Sr. Regulatory Analyst

DATE May 13, 1985

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

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

DATA

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED
FEB 01 1989

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-0149777
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 80120		7. UNIT AGREEMENT NAME Willow Creek East
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 116.1 FSL 11.2 FWL		8. FARM OR LEASE NAME
14. PERMIT NO. 49-019-30738	15. ELEVATIONS (Show whether OF, AT, OR, etc.) 6370 GR	9. WELL NO. 29-13
		10. FIELD AND POOL, OR WILDCAT Entrada Test
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 29, 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.)	

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

The 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. J. 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:



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 Banner	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*



West North Temple, Third Center, Suite 350, Salt Lake City, Ut 801-1203. (801-538-5340)

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

DECEMBER
JAN 16 1990

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

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

Well Name PI Number Entity Location	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	∅	∅	∅	∅
CORMICK 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 AMI~~

3-00-90 per DTS chg std

Comments (attach separate sheet if necessary)

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

Date 1-12-90

[Signature]
Authorized signature

Telephone 303-830-5581

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		3. LEASE DESIGNATION AND SERIAL NO. U-0149777
2. NAME OF OPERATOR Pioneer Oil and Gas		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 6925 Union Park Center, Suite 145, Midvale, UT 84047		7. UNIT AGREEMENT NAME Willow Creek East
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 116.1' FSL, 11.2' FWL		8. FARM OR LEASE NAME
14. PERMIT NO. 43-019-30-738	15. ELEVATIONS (Show whether DF, HT, CR, etc.) 6370' GR	9. WELL NO. 29-13
		10. FIELD AND POOL, OR WILDCAT Dakota
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 29: T19S-R21E
		12. COUNTY OR PARISH Grand
		13. STATE Utah

RECEIVED
NOV 2 1990

18. 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 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"/>

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 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 29-13 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.
* 110050 Amoco Production Co.

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

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

Rick

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

4. LEASE DESIGNATION AND SERIAL NO.

U-0149777

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

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
116.1' FSL, 11.2' FWL

14. PERMIT NO.
43-019-30-738

15. ELEVATIONS (Show whether DF, ST, GR, etc.)
6370' GR

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Willow Creek East

8. FARM OR LEASE NAME

9. WELL NO.

29-13

10. FIELD AND POOL, OR WELDCAT

Dakota

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

Sec. 29; 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:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

Change of Operator

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

Pioneer Oil and Gas hereby succeeds Cimarron Chemical, Inc. as Unit Operator of the Willow Creek East Unit and as Operator of the Federal 29-13 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: 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)

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 _____

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

Other
OPERATOR CHANGE
FILE _____

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

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 DoBm 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.

** 90114 DOGM recognizes N0050/Amoco as operator, reporting
 on "willow Creek East" unit.*

** 90129 Cimarron Chemical, Inc. / Maria 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) _____

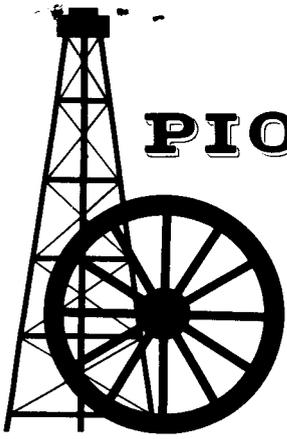
Other
Oper. File

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

2. DOGM Employee (name) Lee (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 Crk E. 30-5 and 29-13.

4. Highlights of Conversation: _____
* Left message / will call back Monday 11-19-90.
* 901130 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.



PIONEER OIL & GAS

RECEIVED

DEC 10 1990

DIVISION OF
OIL, GAS & MINING

December 7, 1990

State of Utah
Utah Division of Oil, Gas and Mining
3 Triad Center, Suite 500
SLC, UT 84180-1204

Re: Willow Creek East Unit Well #29-13
Grand County, Utah

Gentlemen:

Enclosed please find three (3) Sundry Notices pertaining to the re-commencement of production for the above referenced well.

Sincerely,


R. Heggie Wilson
Land Manager

RHW/tbp

Enc.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLIC
(Other instructions on
reverse side)

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

3. 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
Use "APPLICATION FOR PERMIT..." for such proposals)

RECEIVED
DEC 10 1990

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. 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 84047		9. WELL NO. 29-13	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 116.1' FSL, 11.2' FWL		10. FIELD AND POOL, OR WILDCAT Dakota	
14. PERMIT NO. 43-01930-738 <i>PGW</i>		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6370' GR	
		12. COUNTY OR PARISH Grand	13. STATE Utah

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 PLANE <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(Other) Notice of Commencement of Production
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

The Willow Creek East Unit Well #29-13 resumed commercial oil and gas sales on November 24, 1990.

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

SIGNED *R. Haggie Wilson* TITLE Land Manager DATE 12/7/90
R. Haggie Wilson
(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 TRIPPLICATE (Other instructions on reverse side)

Form approved Budget Bureau No. 100-0135 Expires August 31, 1985

U-014977 RECEIVED JAN 23 1991

SUNDRY NOTICES AND REPORTS ON WELLS

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

OIL WELL [] GAS WELL [X] OTHER []

1. NAME OF OPERATOR Pioneer Oil and Gas

7. UNIT AGENCY NAME DIVISION OF GAS & MINING

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

8. WELL NO. 29-13

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

10. FIELD AND POOL, OR WILDCAT Dakota

116.1' FSL, 11.2' FWL

11. SEC., T., R., M., OR BLM AND COUNTY OR AREA Sec. 29: T19S-R21E

14. PERMIT NO. 43-019-30-73B

15. ELEVATIONS (Show whether SP, ST, OR VLA) 6370' GR

12. COUNTY OR PARISH Grand

13. STATE Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF [] FILL OR ALTER CASING [] FRACTURE TREAT [] MULTIPLE COMPLETE [] SHOOT OR ACIDIZE [] ABANDON [] REPAIR WELL [] CHANGE PLANS [] (Other) Change of Operator X

WATER SHUT-OFF [] REPAIRING WELL [] FRACTURE TREATMENT [] ALTERING CASING [] SHOOTING OR ACIDIZING [] ABANDONMENT [] (Other) (Note: Report results of multiple completions on Well Completion or Recompletion Report and Log form.)

7. 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 covered 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 29-13 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: E.V.P. Date: 10-30-90

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

I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Assistant District Manager

DATE 11/2/90

(This space for Federal or State office use) APPROVED BY [Signature] CONDITIONS OF APPROVAL, IF ANY:

CONCURRENCE

See Instructions on Reverse Side

SUNDRY NOTICES AND REPORTS ON WELLS

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

JAN 28 1991

8910154810

OIL WELL GAS WELL OTHER

NAME OF OPERATOR
Pioneer Oil and Gas

DIVISION OF
OIL, GAS & MINING

7. UNIT ASSIGNMENT NAME
Willow Creek East

8. FARM OR LEASE NAME

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

9. WELL NO.
29-13

LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below) AT SURFACE

10. FIELD AND POOL, OR WHPCAT
Dakota

116.1' FSL, 11.2' FWL

11. SEC., T., R., W., OR BLK. AND COUNTY OR AREA
Sec. 29; T19S-R21E

1. PERMIT NO.
43-019-30-738

12. ELEVATIONS (Show whether OP, ST, OR, etc.)
6370' GR

13. COUNTY OR PARISH | 14. STATE
Grand | Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)
PILL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS
Change of Operator

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)
REPAIRING WELL
ALTERING CASING
ABANDONMENT*
(Note: Report results of multiple completions on Well Completion or Recombination Report and Log form.)

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 spaces 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 29-13 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. Carlton
Title: Vice President
Date: October 31, 1990

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

I hereby certify that the foregoing is true and correct

SIGNED _____ TITLE _____ DATE _____

(This space for Federal or State office use)
APPROVED BY William C. Hays TITLE Assistant District Manager for Minerals DATE 11/2/90
CONDITIONS OF APPROVAL, IF ANY:

Approve w/ conditions
DHM 10-31-90
CONDITIONS OF APPROVAL ATTACHED

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

The 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.

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>(Willow Creek E Unit)</u>	API: <u>966</u>	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

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (11-2-90)
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (11-2-90)
- See 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.
- See 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.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (2-4-91)
- See 6. Cardex file has been updated for each well listed above.
- See 7. Well file labels have been updated for each well listed above.
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- See 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) 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

910127 Btm has not approved as of yet.

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

Routing:

1-LER	<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-LCB	<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.
AMOCO PRODUCTION COMPANY
 (address) 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-014977</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 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (11-2-90)
- 2 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (11-2-90)
- 3 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: # 14621/e.
- 4 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 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (2-4-91)
- 6 6. Cardex file has been updated for each well listed above.
- 7 7. Well file labels have been updated for each well listed above.
- 8 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- 9 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.

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)

* Unable to get documentation from "Amoco".

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. U-0149777
2. Name of Operator Pioneer Oil and Gas		6. If Indian, Allottee or Tribe Name
3a. Address 1206 W. So. Jordan Parkway, Unit B South Jordan, Utah 84095-4551	3b. Phone No. (include area code) 801 566 3000	7. If Unit or CA/Agreement, Name and/or No. Willow Creek East Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Township 19 South, Range 21 East Sec. 29: SWSW		8. Well Name and No. Willow Creek East #29-13
		9. API Well No. 43-019-30-738
		10. Field and Pool, or Exploratory Area Dakota
		11. County or Parish, State Grand County, Utah

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Venting of gas</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Due to the well being shut-in by the pipeline gatherer, Pioneer Oil and Gas intends to vent up to 25 mcf/day from the well to continue producing oil until the pipeline gatherer allows gas to be sold again through the pipeline.

APPROVED *
The Utah Division of Oil, Gas and Mining
Robert J. Krueger, PE, Petroleum Engineer

Date: 6-20-00

COPY SENT TO OPERATOR
Date: 6-21-00
Initials: CHD

RECEIVED

JUN 20 2000

DIVISION OF
OIL, GAS AND MINING

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

Name (Printed/Typed) Gregg B. Colton	Title Vice President
Signature By: <u>Gregg B. Colton</u>	Date June 16, 2000

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice 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.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

* Per R649-3-20, Gas Flaring or Venting. 1.1. Up to 1,800 MCF of oil well gas may be vented or flared from an individual well on a monthly basis at any time without approval. etc

RECEIVED

FORM 9

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

JAN 07 2008

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.

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

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, PHONE NUMBER:
7175 W JEFFERSON AVE CITY LAKEWOOD STATE CO ZIP 80235 (303) 716-3200

4. LOCATION OF WELL FOOTAGES AT SURFACE: SEE ATTACHED LIST COUNTY: GRAND

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH

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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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"/> 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
--	--

CA No.

Unit:

WELL NAME	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
- 4a. Is the new operator registered in the State of Utah: YES Business Number: 6853923-0161
- 4b. If **NO**, the operator was contacted on: _____
- 5a. (R649-9-2) Waste Management Plan has been received on: Requested
- 5b. Inspections of LA PA state/fee well sites complete on: n/a
- 5c. 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
- 3a. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a
- 3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

COMMENTS:

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: U-0149777
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.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: UNIT NO: 14-08-0001-15481
2. NAME OF OPERATOR: RESOURCE DEVELOPMENT TECHNOLOGY, LLC		8. WELL NAME and NUMBER: WILLOW CREEK E UNIT 29-13
3. ADDRESS OF OPERATOR: 7175 W JEFFERSON AVE CITY LAKEWOOD STATE CO ZIP 80235		9. API NUMBER: 4301930738
4. LOCATION OF WELL FOOTAGES AT SURFACE: 116' FSL & 11' FWL		10. FIELD AND POOL, OR WILDCAT: DAKOTA
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 29 19S 21E		COUNTY: GRAND
		STATE: UTAH

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 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 checked="" type="checkbox"/> OTHER: <u>Classify as "Oil Well"</u>
	<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.

PRODUCING GAS-OIL RATIO (GOR) HAS HISTORICALLY DROPPED TO A CURRENT LEVEL OF APPROXIMATELY 1500 CUFT GAS : 1 BBL OIL -- (SEE ATTACHED PRODUCTION HISTORY).

AS NOTED BY THE PRODUCING GOR, THE WELL IS A CLEARLY A PUMPING OIL WELL -- RESOURCE DEVELOPMENT TECHNOLOGY THEREFORE DESIRES TO RE-CLASSIFY AS AN "OIL WELL" AND WILL BEGIN DESIGNATING IT AS SUCH ON FUTURE REPORTS, UNLESS ADVISED OTHERWISE BY THE UTAH DEPT OF NATURAL RESOURCES; DIVISION OF OIL, GAS AND MINING.

NAME (PLEASE PRINT) <u>THOMAS E BOWMAN</u>	TITLE <u>OPERATIONS MANAGER</u>
SIGNATURE <u><i>T E Bowman</i></u>	DATE <u>12/10/2008</u>

(This space for State use only)

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**WILLOW CREEK EAST UNIT 29-13
SWSW SEC 29-19S-21E; GRAND COUNTY, UT
API: 43-019-30738**

Report Period	Operator	Formation	Entity	Days Prod	Bbls Oil	Mcf Gas	Bbls Water	Well Status	Well Type	GOR
1/1/1984	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
2/1/1984	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
3/1/1984	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
4/1/1984	AMOCO/TENNECO	DAKOTA	9198	0	0	0	0			
5/1/1984	AMOCO/TENNECO	DAKOTA	9198	0	0	0	0			
6/1/1984	AMOCO/TENNECO	DAKOTA	9198	0	0	0	0			
7/1/1984	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
8/1/1984	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
9/1/1984	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
10/1/1984	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
11/1/1984	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
12/1/1984	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
1/1/1985	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
2/1/1985	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
3/1/1985	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
4/1/1985	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
5/1/1985	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
6/1/1985	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
7/1/1985	TENNECO OIL COMPANY	DAKOTA	9198	24	493	18360	25			37241
8/1/1985	TENNECO OIL COMPANY	DAKOTA	9198	4	40	3060	2			76500
9/1/1985	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
10/1/1985	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
11/1/1985	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
12/1/1985	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
1/1/1986	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
2/1/1986	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
3/1/1986	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
4/1/1986	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
5/1/1986	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
6/1/1986	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
7/1/1986	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
8/1/1986	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
9/1/1986	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
10/1/1986	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
11/1/1986	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
12/1/1986	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
1/1/1987	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			

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DIV. OF OIL, GAS & MINING

WILLOW CREEK EAST UNIT 29-13
SWSW SEC 29-19S-21E; GRAND COUNTY, UT
API: 43-019-30738

Report Period	Operator	Formation	Entity	Days Prod	Bbls Oil	Mcf Gas	Bbls Water	Well Status	Well Type	GOR
2/1/1987	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
3/1/1987	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
4/1/1987	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
5/1/1987	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
6/1/1987	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
7/1/1987	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
8/1/1987	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
9/1/1987	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
10/1/1987	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
11/1/1987	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
12/1/1987	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
1/1/1988	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
2/1/1988	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
3/1/1988	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
4/1/1988	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
5/1/1988	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
6/1/1988	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
7/1/1988	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
8/1/1988	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
9/1/1988	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
10/1/1988	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
11/1/1988	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
12/1/1988	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
1/1/1989	TENNECO OIL COMPANY	DAKOTA	9198	0	0	0	0			
2/1/1989	AMOCO/TENNECO	DAKOTA	9198	0	0	0	0			
3/1/1989	AMOCO/TENNECO	DAKOTA	9198	0	0	0	0			
4/1/1989	AMOCO/TENNECO	DAKOTA	9198	0	0	0	0			
5/1/1989	AMOCO/TENNECO	DAKOTA	9198	0	0	0	0			
6/1/1989	AMOCO/TENNECO	DAKOTA	9198	0	0	0	0			
7/1/1989	AMOCO/TENNECO	DAKOTA	9198	0	0	0	0			
8/1/1989	AMOCO/TENNECO	DAKOTA	9198	0	0	0	0			
9/1/1989	AMOCO/TENNECO	DAKOTA	9198	0	0	0	0			
10/1/1989	AMOCO/TENNECO	DAKOTA	9198	0	0	0	0			
11/1/1989	AMOCO/TENNECO	DAKOTA	9198	0	0	0	0			
12/1/1989	AMOCO/TENNECO	DAKOTA	9198	0	0	0	0			
1/1/1990	AMOCO/TENNECO	DAKOTA	9198	0	0	0	0			
2/1/1990	AMOCO/TENNECO	DAKOTA	9198	0	0	0	0			

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DIV. OF OIL, GAS & MINING

**WILLOW CREEK EAST UNIT 29-13
SWSW SEC 29-19S-21E; GRAND COUNTY, UT
API: 43-019-30738**

Report Period	Operator	Formation	Entity	Days Prod	Bbls Oil	Mcf Gas	Bbls Water	Well Status	Well Type	GOR
3/1/1990	AMOCO/TENNECO	DAKOTA	9198	0	0	0	0			
4/1/1990	AMOCO PRODUCTION COM	DAKOTA	9198	0	0	0	0			
5/1/1990	AMOCO PRODUCTION COM	DAKOTA	9198	0	0	0	0			
6/1/1990	AMOCO PRODUCTION COM	DAKOTA	9198	0	0	0	0			
7/1/1990	AMOCO PRODUCTION COM	DAKOTA	9198	0	0	0	0			
8/1/1990	AMOCO PRODUCTION COM	DAKOTA	9198	0	0	0	0			
9/1/1990	AMOCO PRODUCTION COM	DAKOTA	9198	0	0	0	0			
10/1/1990	AMOCO PRODUCTION COM	DAKOTA	9198	0	0	0	0			
11/1/1990	AMOCO PRODUCTION COM	DAKOTA	9198	7	520	7102	0	Producing	Gas Well	13658
12/1/1990	PIONEER OIL & GAS	DAKOTA	9198	27	1016	27121	0	Producing	Gas Well	26694
1/1/1991	PIONEER OIL & GAS	DAKOTA	9198	31	962	26469	43	Producing	Gas Well	27515
2/1/1991	PIONEER OIL & GAS	DAKOTA	9198	28	697	20666	26	Producing	Gas Well	29650
3/1/1991	PIONEER OIL & GAS	DAKOTA	9198	31	794	21651	25	Producing	Gas Well	27268
4/1/1991	PIONEER OIL & GAS	DAKOTA	9198	29	616	19072	24	Producing	Gas Well	30961
5/1/1991	PIONEER OIL & GAS	DAKOTA	9198	31	688	18822	25	Producing	Gas Well	27358
6/1/1991	PIONEER OIL & GAS	DAKOTA	9198	30	536	15461	23	Producing	Gas Well	28845
7/1/1991	PIONEER OIL & GAS	DAKOTA	9198	26	593	13006	21	Producing	Gas Well	21933
8/1/1991	PIONEER OIL & GAS	DAKOTA	9198	23	456	10244	20	Producing	Gas Well	22465
9/1/1991	PIONEER OIL & GAS	DAKOTA	9198	10	282	4274	11	Producing	Gas Well	15156
10/1/1991	PIONEER OIL & GAS	DAKOTA	9198	28	579	9762	26	Producing	Gas Well	16860
11/1/1991	PIONEER OIL & GAS	DAKOTA	9198	9	347	3325	12	Producing	Gas Well	9582
12/1/1991	PIONEER OIL & GAS	DAKOTA	9198	22	487	5503	19	Producing	Gas Well	11300
1/1/1992	PIONEER OIL & GAS	DAKOTA	9198	24	595	5476	23	Producing	Gas Well	9203
2/1/1992	PIONEER OIL & GAS	DAKOTA	9198	28	416	7769	21	Producing	Gas Well	18675
3/1/1992	PIONEER OIL & GAS	DAKOTA	9198	28	529	7917	27	Producing	Gas Well	14966
4/1/1992	PIONEER OIL & GAS	DAKOTA	9198	30	449	6784	17	Producing	Gas Well	15109
5/1/1992	PIONEER OIL & GAS	DAKOTA	9198	31	584	8188	22	Producing	Gas Well	14021
6/1/1992	PIONEER OIL & GAS	DAKOTA	9198	30	478	6974	20	Producing	Gas Well	14590
7/1/1992	PIONEER OIL & GAS	DAKOTA	9198	31	425	5837	19	Producing	Gas Well	13734
8/1/1992	PIONEER OIL & GAS	DAKOTA	9198	30	596	7646	27	Producing	Gas Well	12829
9/1/1992	PIONEER OIL & GAS	DAKOTA	9198	28	523	7852	26	Producing	Gas Well	15013
10/1/1992	PIONEER OIL & GAS	DAKOTA	9198	23	419	6217	21	Producing	Gas Well	14838
11/1/1992	PIONEER OIL & GAS	DAKOTA	9198	27	539	5700	27	Producing	Gas Well	10575
12/1/1992	PIONEER OIL & GAS	DAKOTA	9198	30	579	6597	23	Producing	Gas Well	11394
1/1/1993	PIONEER OIL & GAS	DAKOTA	9198	27	518	5600	22	Producing	Gas Well	10811
2/1/1993	PIONEER OIL & GAS	DAKOTA	9198	17	266	2780	17	Producing	Gas Well	10451
3/1/1993	PIONEER OIL & GAS	DAKOTA	9198	9	247	1316	8	Producing	Gas Well	5328

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DIV. OF OIL, GAS & MINING

WILLOW CREEK EAST UNIT 29-13
SWSW SEC 29-19S-21E; GRAND COUNTY, UT
API: 43-019-30738

Report Period	Operator	Formation	Entity	Days Prod	Bbls Oil	Mcf Gas	Bbls Water	Well Status	Well Type	GOR
4/1/1993	PIONEER OIL & GAS	DAKOTA	9198	30	691	6187	12	Producing	Gas Well	8954
5/1/1993	PIONEER OIL & GAS	DAKOTA	9198	27	546	5453	10	Producing	Gas Well	9987
6/1/1993	PIONEER OIL & GAS	DAKOTA	9198	27	635	5545	6	Producing	Gas Well	8732
7/1/1993	PIONEER OIL & GAS	DAKOTA	9198	31	583	6144	8	Producing	Gas Well	10539
8/1/1993	PIONEER OIL & GAS	DAKOTA	9198	21	462	4746	39	Producing	Gas Well	10273
9/1/1993	PIONEER OIL & GAS	DAKOTA	9198	29	590	5190	11	Producing	Gas Well	8797
10/1/1993	PIONEER OIL & GAS	DAKOTA	9198	22	462	3788	7	Producing	Gas Well	8199
11/1/1993	PIONEER OIL & GAS	DAKOTA	9198	28	564	4443	28	Producing	Gas Well	7878
12/1/1993	PIONEER OIL & GAS	DAKOTA	9198	31	620	4863	10	Producing	Gas Well	7844
1/1/1994	PIONEER OIL & GAS	DAKOTA	9198	30	524	3935	13	Producing	Gas Well	7510
2/1/1994	PIONEER OIL & GAS	DAKOTA	9198	23	445	3249	3	Producing	Gas Well	7301
3/1/1994	PIONEER OIL & GAS	DAKOTA	9198	20	392	3513	5	Producing	Gas Well	8962
4/1/1994	PIONEER OIL & GAS	DAKOTA	9198	26	557	3307	3	Producing	Gas Well	5937
5/1/1994	PIONEER OIL & GAS	DAKOTA	9198	28	660	3877	5	Producing	Gas Well	5874
6/1/1994	PIONEER OIL & GAS	DAKOTA	9198	29	597	3618	3	Producing	Gas Well	6060
7/1/1994	PIONEER OIL & GAS	DAKOTA	9198	26	471	3332	0	Producing	Gas Well	7074
8/1/1994	PIONEER OIL & GAS	DAKOTA	9198	30	621	3592	10	Producing	Gas Well	5784
9/1/1994	PIONEER OIL & GAS	DAKOTA	9198	29	578	3397	3	Producing	Gas Well	5877
10/1/1994	PIONEER OIL & GAS	DAKOTA	9198	30	618	3637	0	Producing	Gas Well	5885
11/1/1994	PIONEER OIL & GAS	DAKOTA	9198	30	383	2438	8	Producing	Gas Well	6366
12/1/1994	PIONEER OIL & GAS	DAKOTA	9198	28	396	1951	8	Producing	Gas Well	4927
1/1/1995	PIONEER OIL & GAS	DAKOTA	9198	25	403	2117	0	Producing	Gas Well	5253
2/1/1995	PIONEER OIL & GAS	DAKOTA	9198	1	7	414	0	Producing	Gas Well	59143
3/1/1995	PIONEER OIL & GAS	DAKOTA	9198	27	654	1718	3	Producing	Gas Well	2627
4/1/1995	PIONEER OIL & GAS	DAKOTA	9198	29	798	3214	5	Producing	Gas Well	4028
5/1/1995	PIONEER OIL & GAS	DAKOTA	9198	29	658	3198	11	Producing	Gas Well	4860
6/1/1995	PIONEER OIL & GAS	DAKOTA	9198	28	644	3322	0	Producing	Gas Well	5158
7/1/1995	PIONEER OIL & GAS	DAKOTA	9198	31	700	3654	13	Producing	Gas Well	5220
8/1/1995	PIONEER OIL & GAS	DAKOTA	9198	31	653	3731	4	Producing	Gas Well	5714
9/1/1995	PIONEER OIL & GAS	DAKOTA	9198	30	579	3337	0	Producing	Gas Well	5763
10/1/1995	PIONEER OIL & GAS	DAKOTA	9198	31	578	3332	13	Producing	Gas Well	5765
11/1/1995	PIONEER OIL & GAS	DAKOTA	9198	30	374	2348	0	Producing	Gas Well	6278
12/1/1995	PIONEER OIL & GAS	DAKOTA	9198	28	324	1826	11	Producing	Gas Well	5636
1/1/1996	PIONEER OIL & GAS	DAKOTA	9198	26	650	2717	8	Producing	Gas Well	4180
2/1/1996	PIONEER OIL & GAS	DAKOTA	9198	28	671	3032	14	Producing	Gas Well	4519
3/1/1996	PIONEER OIL & GAS	DAKOTA	9198	29	654	3146	11	Producing	Gas Well	4810
4/1/1996	PIONEER OIL & GAS	DAKOTA	9198	27	610	2919	0	Producing	Gas Well	4785

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DIV. OF OIL, GAS & MINING

WILLOW CREEK EAST UNIT 29-13
SWSW SEC 29-19S-21E; GRAND COUNTY, UT
API: 43-019-30738

Report Period	Operator	Formation	Entity	Days Prod	Bbls Oil	Mcf Gas	Bbls Water	Well Status	Well Type	GOR
5/1/1996	PIONEER OIL & GAS	DAKOTA	9198	31	656	3393	15	Producing	Gas Well	5172
6/1/1996	PIONEER OIL & GAS	DAKOTA	9198	27	510	3151	19	Producing	Gas Well	6178
7/1/1996	PIONEER OIL & GAS	DAKOTA	9198	31	627	3223	12	Producing	Gas Well	5140
8/1/1996	PIONEER OIL & GAS	DAKOTA	9198	31	470	2672	10	Producing	Gas Well	5685
9/1/1996	PIONEER OIL & GAS	DAKOTA	9198	28	580	2804	7	Producing	Gas Well	4834
10/1/1996	PIONEER OIL & GAS	DAKOTA	9198	29	575	2804	10	Producing	Gas Well	4877
11/1/1996	PIONEER OIL & GAS	DAKOTA	9198	25	501	2532	12	Producing	Gas Well	5054
12/1/1996	PIONEER OIL & GAS	DAKOTA	9198	30	548	2594	11	Producing	Gas Well	4734
1/1/1997	PIONEER OIL & GAS	DAKOTA	9198	19	442	1796	8	Producing	Gas Well	4063
2/1/1997	PIONEER OIL & GAS	DAKOTA	9198	28	481	1953	6	Producing	Gas Well	4060
3/1/1997	PIONEER OIL & GAS	DAKOTA	9198	27	608	2354	4	Producing	Gas Well	3872
4/1/1997	PIONEER OIL & GAS	DAKOTA	9198	27	534	2153	15	Producing	Gas Well	4032
5/1/1997	PIONEER OIL & GAS	DAKOTA	9198	29	526	2357	8	Producing	Gas Well	4481
6/1/1997	PIONEER OIL & GAS	DAKOTA	9198	27	517	1891	9	Producing	Gas Well	3658
7/1/1997	PIONEER OIL & GAS	DAKOTA	9198	31	572	2300	11	Producing	Gas Well	4021
8/1/1997	PIONEER OIL & GAS	DAKOTA	9198	31	535	1671	6	Producing	Gas Well	3123
9/1/1997	PIONEER OIL & GAS	DAKOTA	9198	22	356	1475	3	Producing	Gas Well	4143
10/1/1997	PIONEER OIL & GAS	DAKOTA	9198	31	597	1717	13	Producing	Gas Well	2876
11/1/1997	PIONEER OIL & GAS	DAKOTA	9198	21	331	1453	5	Producing	Gas Well	4390
12/1/1997	PIONEER OIL & GAS	DAKOTA	9198	30	498	2023	12	Producing	Gas Well	4062
1/1/1998	PIONEER OIL & GAS	DAKOTA	9198	31	510	1792	7	Producing	Gas Well	3514
2/1/1998	PIONEER OIL & GAS	DAKOTA	9198	16	297	1106	12	Producing	Gas Well	3724
3/1/1998	PIONEER OIL & GAS	DAKOTA	9198	20	475	1588	0	Producing	Gas Well	3343
4/1/1998	PIONEER OIL & GAS	DAKOTA	9198	19	452	1722	8	Producing	Gas Well	3810
5/1/1998	PIONEER OIL & GAS	DAKOTA	9198	31	593	1706	8	Producing	Gas Well	2877
6/1/1998	PIONEER OIL & GAS	DAKOTA	9198	29	487	1379	9	Producing	Gas Well	2832
7/1/1998	PIONEER OIL & GAS	DAKOTA	9198	29	415	1287	6	Producing	Gas Well	3101
8/1/1998	PIONEER OIL & GAS	DAKOTA	9198	22	341	1257	11	Producing	Gas Well	3686
9/1/1998	PIONEER OIL & GAS	DAKOTA	9198	30	470	1297	5	Producing	Gas Well	2760
10/1/1998	PIONEER OIL & GAS	DAKOTA	9198	31	523	1276	6	Producing	Gas Well	2440
11/1/1998	PIONEER OIL & GAS	DAKOTA	9198	30	445	1363	0	Producing	Gas Well	3063
12/1/1998	PIONEER OIL & GAS	DAKOTA	9198	29	310	1003	0	Producing	Gas Well	3235
1/1/1999	PIONEER OIL & GAS	DAKOTA	9198	26	550	1528	17	Producing	Gas Well	2778
2/1/1999	PIONEER OIL & GAS	DAKOTA	9198	27	462	1388	0	Producing	Gas Well	3004
3/1/1999	PIONEER OIL & GAS	DAKOTA	9198	28	446	1472	7	Producing	Gas Well	3300
4/1/1999	PIONEER OIL & GAS	DAKOTA	9198	25	494	1504	3	Producing	Gas Well	3045
5/1/1999	PIONEER OIL & GAS	DAKOTA	9198	31	479	1575	6	Producing	Gas Well	3288

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**WILLOW CREEK EAST UNIT 29-13
SWSW SEC 29-19S-21E; GRAND COUNTY, UT
API: 43-019-30738**

Report Period	Operator	Formation	Entity	Days Prod	Bbls Oil	Mcf Gas	Bbls Water	Well Status	Well Type	GOR
6/1/1999	PIONEER OIL & GAS	DAKOTA	9198	15	245	739	10	Producing	Gas Well	3016
7/1/1999	PIONEER OIL & GAS	DAKOTA	9198	31	583	1694	6	Producing	Gas Well	2906
8/1/1999	PIONEER OIL & GAS	DAKOTA	9198	24	415	1314	4	Producing	Gas Well	3166
9/1/1999	PIONEER OIL & GAS	DAKOTA	9198	15	210	896	0	Producing	Gas Well	4267
10/1/1999	PIONEER OIL & GAS	DAKOTA	9198	6	101	586	0	Producing	Gas Well	5802
11/1/1999	PIONEER OIL & GAS	DAKOTA	9198	26	761	1444	12	Producing	Gas Well	1898
12/1/1999	PIONEER OIL & GAS	DAKOTA	9198	2	0.1	314	0	Producing	Gas Well	3140000
1/1/2000	PIONEER OIL & GAS	DAKOTA	9198	21	663	1306	3	Producing	Gas Well	1970
2/1/2000	PIONEER OIL & GAS	DAKOTA	9198	24	560	1401	3	Producing	Gas Well	2502
3/1/2000	PIONEER OIL & GAS	DAKOTA	9198	25	538	1597	9	Producing	Gas Well	2968
4/1/2000	PIONEER OIL & GAS	DAKOTA	9198	28	493	1452	0	Producing	Gas Well	2945
5/1/2000	PIONEER OIL & GAS	DAKOTA	9198	31	544	1727	13	Producing	Gas Well	3175
6/1/2000	PIONEER OIL & GAS	DAKOTA	9198	21	380	686	0	Producing	Gas Well	1805
7/1/2000	PIONEER OIL & GAS	DAKOTA	9198	31	567	868	12	Producing	Gas Well	1531
8/1/2000	PIONEER OIL & GAS	DAKOTA	9198	31	487	868	0	Producing	Gas Well	1782
9/1/2000	PIONEER OIL & GAS	DAKOTA	9198	29	399	783	8	Producing	Gas Well	1962
10/1/2000	PIONEER OIL & GAS	DAKOTA	9198	31	457	868	1	Producing	Gas Well	1899
11/1/2000	PIONEER OIL & GAS	DAKOTA	9198	28	394	784	10	Producing	Gas Well	1990
12/1/2000	PIONEER OIL & GAS	DAKOTA	9198	29	427	812	0	Producing	Gas Well	1902
1/1/2001	PIONEER OIL & GAS	DAKOTA	9198	30	440	840	5	Producing	Gas Well	1909
2/1/2001	PIONEER OIL & GAS	DAKOTA	9198	14	199	189	8	Producing	Gas Well	950
3/1/2001	PIONEER OIL & GAS	DAKOTA	9198	25	508	1147	5	Producing	Gas Well	2258
4/1/2001	PIONEER OIL & GAS	DAKOTA	9198	26	472	1195	6	Producing	Gas Well	2532
5/1/2001	PIONEER OIL & GAS	DAKOTA	9198	29	263	1188	4	Producing	Gas Well	4517
6/1/2001	PIONEER OIL & GAS	DAKOTA	9198	22	323	880	0	Producing	Gas Well	2724
7/1/2001	PIONEER OIL & GAS	DAKOTA	9198	31	500	1234	7	Producing	Gas Well	2468
8/1/2001	PIONEER OIL & GAS	DAKOTA	9198	27	338	901	13	Producing	Gas Well	2666
9/1/2001	PIONEER OIL & GAS	DAKOTA	9198	30	336	1083	5	Producing	Gas Well	3223
10/1/2001	PIONEER OIL & GAS	DAKOTA	9198	31	562	1157	41	Producing	Gas Well	2059
11/1/2001	PIONEER OIL & GAS	DAKOTA	9198	19	301	520	0	Producing	Gas Well	1728
12/1/2001	PIONEER OIL & GAS	DAKOTA	9198	13	252	85	0	Producing	Gas Well	337
1/1/2002	PIONEER OIL & GAS	DAKOTA	9198	24	496	96	0	Producing	Gas Well	194
2/1/2002	PIONEER OIL & GAS	DAKOTA	9198	21	407	84	0	Producing	Gas Well	206
3/1/2002	PIONEER OIL & GAS	DAKOTA	9198	21	251	113	13	Producing	Gas Well	450
4/1/2002	PIONEER OIL & GAS	DAKOTA	9198	19	329	159	0	Producing	Gas Well	483
5/1/2002	PIONEER OIL & GAS	DAKOTA	9198	24	549	1057	0	Producing	Gas Well	1925
6/1/2002	PIONEER OIL & GAS	DAKOTA	9198	18	42	98	0	Producing	Gas Well	2333

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Report Period	Operator	Formation	Entity	Days Prod	Bbls Oil	Mcf Gas	Bbls Water	Well Status	Well Type	GOR
7/1/2002	PIONEER OIL & GAS	DAKOTA	9198	27	598	936	14	Producing	Gas Well	1565
8/1/2002	PIONEER OIL & GAS	DAKOTA	9198	23	370	94	4	Producing	Gas Well	254
9/1/2002	PIONEER OIL & GAS	DAKOTA	9198	28	413	56	6	Producing	Gas Well	136
10/1/2002	PIONEER OIL & GAS	DAKOTA	9198	31	481	62	3	Producing	Gas Well	129
11/1/2002	PIONEER OIL & GAS	DAKOTA	9198	30	428	60	5	Producing	Gas Well	140
12/1/2002	PIONEER OIL & GAS	DAKOTA	9198	28	406	56	4	Producing	Gas Well	138
1/1/2003	PIONEER OIL & GAS	DAKOTA	9198	31	366	62	13	Producing	Gas Well	169
2/1/2003	PIONEER OIL & GAS	DAKOTA	9198	25	305	50	14	Producing	Gas Well	164
3/1/2003	PIONEER OIL & GAS	DAKOTA	9198	22	415	44	8	Producing	Gas Well	106
4/1/2003	PIONEER OIL & GAS	DAKOTA	9198	28	380	56	8	Producing	Gas Well	147
5/1/2003	PIONEER OIL & GAS	DAKOTA	9198	31	453	875	6	Producing	Gas Well	1932
6/1/2003	PIONEER OIL & GAS	DAKOTA	9198	30	435	1084	7	Producing	Gas Well	2492
7/1/2003	PIONEER OIL & GAS	DAKOTA	9198	31	418	1209	9	Producing	Gas Well	2892
8/1/2003	PIONEER OIL & GAS	DAKOTA	9198	29	381	1098	24	Producing	Gas Well	2882
9/1/2003	PIONEER OIL & GAS	DAKOTA	9198	10	154	754	7	Producing	Gas Well	4896
10/1/2003	PIONEER OIL & GAS	DAKOTA	9198	30	494	1089	7	Producing	Gas Well	2204
11/1/2003	PIONEER OIL & GAS	DAKOTA	9198	23	229	654	5	Producing	Gas Well	2856
12/1/2003	PIONEER OIL & GAS	DAKOTA	9198	18	285	36	13	Producing	Gas Well	126
1/1/2004	PIONEER OIL & GAS	DAKOTA	9198	19	300	38	0	Producing	Gas Well	127
2/1/2004	PIONEER OIL & GAS	DAKOTA	9198	24	337	48	0	Producing	Gas Well	142
3/1/2004	PIONEER OIL & GAS	DAKOTA	9198	14	194	28	0	Producing	Gas Well	144
4/1/2004	PIONEER OIL & GAS	DAKOTA	9198	30	373	60	0	Producing	Gas Well	161
5/1/2004	PIONEER OIL & GAS	DAKOTA	9198	31	459	659	50	Producing	Gas Well	1436
6/1/2004	PIONEER OIL & GAS	DAKOTA	9198	29	397	1058	5	Producing	Gas Well	2665
7/1/2004	PIONEER OIL & GAS	DAKOTA	9198	31	431	913	8	Producing	Gas Well	2118
8/1/2004	PIONEER OIL & GAS	DAKOTA	9198	31	358	741	7	Producing	Gas Well	2070
9/1/2004	PIONEER OIL & GAS	DAKOTA	9198	30	366	809	0	Producing	Gas Well	2210
10/1/2004	PIONEER OIL & GAS	DAKOTA	9198	31	364	1008	8	Producing	Gas Well	2769
11/1/2004	PIONEER OIL & GAS	DAKOTA	9198	26	323	749	0	Producing	Gas Well	2319
12/1/2004	PIONEER OIL & GAS	DAKOTA	9198	27	365	698	8	Producing	Gas Well	1912
1/1/2005	PIONEER OIL & GAS	DAKOTA	9198	15	179	354	0	Producing	Gas Well	1978
2/1/2005	PIONEER OIL & GAS	DAKOTA	9198	20	316	691	0	Producing	Gas Well	2187
3/1/2005	PIONEER OIL & GAS	DAKOTA	9198	22	221	701	12	Producing	Gas Well	3172
4/1/2005	PIONEER OIL & GAS	DAKOTA	9198	25	383	805	0	Producing	Gas Well	2102
5/1/2005	PIONEER OIL & GAS	DAKOTA	9198	31	455	955	9	Producing	Gas Well	2099
6/1/2005	PIONEER OIL & GAS	DAKOTA	9198	27	340	894	11	Producing	Gas Well	2629
7/1/2005	PIONEER OIL & GAS	DAKOTA	9198	31	386	914	13	Producing	Gas Well	2368

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Report Period	Operator	Formation	Entity	Days Prod	Bbls Oil	Mcf Gas	Bbls Water	Well Status	Well Type	GOR
8/1/2005	PIONEER OIL & GAS	DAKOTA	9198	31	359	707	16	Producing	Gas Well	1969
9/1/2005	PIONEER OIL & GAS	DAKOTA	9198	30	374	788	0	Producing	Gas Well	2107
10/1/2005	PIONEER OIL & GAS	DAKOTA	9198	17	198	474	8	Producing	Gas Well	2394
11/1/2005	PIONEER OIL & GAS	DAKOTA	9198	20	258	594	0	Producing	Gas Well	2302
12/1/2005	PIONEER OIL & GAS	DAKOTA	9198	25	304	764	0	Producing	Gas Well	2513
1/1/2006	PIONEER OIL & GAS	DAKOTA	9198	31	392	935	9	Producing	Gas Well	2385
2/1/2006	PIONEER OIL & GAS	DAKOTA	9198	24	278	684	11	Producing	Gas Well	2460
3/1/2006	PIONEER OIL & GAS	DAKOTA	9198	22	286	649	17	Producing	Gas Well	2269
4/1/2006	PIONEER OIL & GAS	DAKOTA	9198	15	258	666	0	Producing	Gas Well	2581
5/1/2006	PIONEER OIL & GAS	DAKOTA	9198	19	221	695	13	Producing	Gas Well	3145
6/1/2006	PIONEER OIL & GAS	DAKOTA	9198	4	47	207	0	Producing	Gas Well	4404
7/1/2006	PIONEER OIL & GAS	DAKOTA	9198	31	503	1016	0	Producing	Gas Well	2020
8/1/2006	PIONEER OIL & GAS	DAKOTA	9198	31	442	958	0	Producing	Gas Well	2167
9/1/2006	PIONEER OIL & GAS	DAKOTA	9198	26	427	711	20	Producing	Gas Well	1665
10/1/2006	PIONEER OIL & GAS	DAKOTA	9198	26	215	810	20	Producing	Gas Well	3767
11/1/2006	PIONEER OIL & GAS	DAKOTA	9198	20	247	632	0	Producing	Gas Well	2559
12/1/2006	PIONEER OIL & GAS	DAKOTA	9198	15	164	56	3	Producing	Gas Well	341
1/1/2007	PIONEER OIL & GAS	DAKOTA	9198	25	292	61	0	Producing	Gas Well	209
2/1/2007	PIONEER OIL & GAS	DAKOTA	9198	27	353	438	0	Producing	Gas Well	1241
3/1/2007	PIONEER OIL & GAS	DAKOTA	9198	14	159	541	0	Producing	Gas Well	3403
4/1/2007	PIONEER OIL & GAS	DAKOTA	9198	17	239	259	21	Producing	Gas Well	1084
5/1/2007	PIONEER OIL & GAS	DAKOTA	9198	25	243	317	13	Producing	Gas Well	1305
6/1/2007	PIONEER OIL & GAS	DAKOTA	9198	2	35	79	0	Producing	Gas Well	2257
7/1/2007	PIONEER OIL & GAS	DAKOTA	9198	21	362	581	8	Producing	Gas Well	1605
8/1/2007	PIONEER OIL & GAS	DAKOTA	9198	31	454	657	20	Producing	Gas Well	1447
9/1/2007	PIONEER OIL & GAS	DAKOTA	9198	24	350	556	0	Producing	Gas Well	1589
10/1/2007	PIONEER OIL & GAS	DAKOTA	9198	14	119	402	121	Producing	Gas Well	3378
11/1/2007	PIONEER OIL & GAS	DAKOTA	9198	11	98	161	0	Producing	Gas Well	1643
12/1/2007	PIONEER OIL & GAS	DAKOTA	9198	9	24	32	0	Producing	Gas Well	1333
1/1/2008	RESOURCE DEV TECH	DAKOTA	9198	15	261	0	0	Producing	Gas Well	0
2/1/2008	RESOURCE DEV TECH	DAKOTA	9198	5	19	27	0	Producing	Gas Well	1421
3/1/2008	RESOURCE DEV TECH	DAKOTA	9198	4	9	27	18	Producing	Gas Well	3000
4/1/2008	RESOURCE DEV TECH	DAKOTA	9198	3	13	21	0	Producing	Gas Well	1615
5/1/2008	RESOURCE DEV TECH	DAKOTA	9198	15	391	103	0	Producing	Gas Well	263
6/1/2008	RESOURCE DEV TECH	DAKOTA	9198	11	238	103	0	Producing	Gas Well	433
7/1/2008	RESOURCE DEV TECH	DAKOTA	9198		431	492	0	Producing	Gas Well	1142
8/1/2008	RESOURCE DEV TECH	DAKOTA	9198		188	325	0	Producing	Gas Well	1729

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