Attached to Form 3160-3 Bonneville Fuels Corporation Avalon "10" Federal #23 1980' FSL & 1980' FWL, Sec 10, T.21S., R.26E. NMPM Eddy County, New Mexico

The proposed location was surveyed and staked by John West Engineering, and surveyed for archaeological impacts by Southern New Mexico Archaeological Services, Inc. on 10/4/2000. An On-Site Surface Inspection was conducted by Mr. Barry Hunt (a Surface Management Specialist with the Carlsbad Area office of the Bureau of Land Management – also representing the Bureau of Reclamation) on 10/4/2000. No significant topographical, archaeological, faunal or botanical limitations and/or obstacles to the development of this well site were identified or indicated by John West Engineering, Southern New Mexico Archaeological Services, or Mr. Barry Hunt. This location pad overlaps onto the existing pad of the Lake Shore Fed. S.C. 10-#3 well @ 1650' FSL & 1997' FWL.

1. EXISTING ROADS:

Exhibit 'A' attached is a Topographic and Vicinity Map created from a splice of two USGS Quadrangle Maps (the Lake MacMillan South Quad and the West Carlsbad Quad). The map indicates the existing wells (5 existing & 2 additional proposed gas wells, 5 existing and 4 proposed oil wells, 1 existing and 1 proposed water wells, and an existing salt water disposal well) and existing/proposed roads within a 1-Mile Radius around the proposed Avalon "10" Federal #23 oil well. Also indicated on this map is the proximity of the northern limit of incorporation of the City of Carlsbad (approx. 1.21 miles SSE of the proposed drill-site).

Exhibit 'B' attached is a Vicinity Map prepared by John West Engineering showing the location of the well relative to the entire City of Carlsbad. Both of these maps indicate the proximity of Avalon Lake. The Avalon Dam Site is approx. 1.67 miles east of the proposed drill site.

DIRECTIONS:

a. From the intersection of US 285 and US 62/180 in the City of Carlsbad (downtown) proceed approx. 6.5 miles NNW on US 285 to mile marker 40 (the BROWN road on Exhibits 'A' and 'B').

b. Turn north (right) and proceed approx. 0.75 miles north on field road to first intersection. Turn east (right) and proceed east approx. 0.33 miles to 2nd fork in road. Turn northeast (left fork) to the Devon Energy Fed. State COM 10-#1 salt water disposal well in NW SW of Section 10. Turn south (right) across location approx. 0.1 miles. Then proceed SE approx. 0.3 miles (these are the GREEN roads on Exhibits 'A' and 'B'. Cross the Lake Shore Fed. S.C. 10-#3 gas well-site pad approx. 350'north & enter the Avalon "10" Fed. #23 wellsite pad. Page 2 Avalon "10" Federal #2 13-Point Surface Use Plan: Continued:

2. PLANNED NEW ACCESS ROAD:

No new access road is needed for the Avalon "10" Federal #23 well-site pad. Access will be obtained from the south by crossing the existing Lake Shore Fed. S.C. 10-#3 well-site pad and entering directly onto the Avalon "10" Federal #23 well-site, as shown on Exhibit C'-#1.

3. EXISTING AND PROPOSED WELLS WITHIN A 1-MILE RADIUS:

Exhibit 'A' shows wells BFC has been able to identify in the area covered by this map south and west of the Pecos River and Avalon Lake. The 1-mile radius of required investigation is indicated in ORANGE outline. Known gas wells, oil wells, a salt water disposal well, and various abandoned oil/gas wells are shown inside and outside the 1-mile radius, and are labeled GW,OW, SWD and AW respectively. Proposed gas wells, oil wells, and water wells that BFC is aware of in the 1-mile radius are labeled PGW, POW and PWW respectively.

Exhibit 'C'-#2 is a Well Location and Acreage Dedication Survey Plat (New Mexico Form C-102) prepared by John West Engineering.

a. There are six (6) existing producing gas wells and one (2) additional proposed gas wells within a 1-mile radius of the proposed Avalon "10" Federal #23 well. These wells are colored RED on Exhibit 'A' and are labeled GW and PGW, respectively.

b. There is one (1) salt water disposal well within a 1-mile radius of the proposed Avalon "10" Federal #23 well. This well is labeled SWD with an injection well symbol on Exhibit 'A'.

b. There are five (5) existing producing and four (4) proposed oil wells within a 1-mile radius of the proposed Avalon "10" Federal #23 oil well. These wells are colored GREEN on Exhibit 'A' and are labeled OW and POW, respectively.

c. There is one (1) existing and one (1) proposed water wells within a 1-mile radius of the proposed Avalon "10" Federal #23 well. These wells are colored BLUE on Exhibit 'A' and are labeled WW and PWW, respectively.

d. There is one (1) existing salt-water disposal well within a 1 mile radius of the proposed Avalon "10" Federal #23 well. This well is indicated in black with an arrow thru the well symbol and is labeled 'SWD' on Exhibit 'A'.

e. There is one (1) existing abandoned well within a 1-mile radius of the proposed Avalon "10" Federal #23 well. This well is indicated by the dry-hole symbol, colored GREEN, and labeled AW on Exhibit 'A'.

4. PROPOSED PRODUCTION FACILITIES:

Bonneville Fuels Corporation has NO existing production facilities on this site at this time. Exhibit 'D' shows the location of a proposed tank battery and production facilities for the proposed Avalon "10" Federal #23 well and the existing Lake Shore Fed. S.C. 10-#3 wells.

The Special Lease Stipulations for NM 3606 (4 Pages with appropriate portions highlighted) are attached as Exhibit 'E', pages 1 thru 4. The surface use regulation of the lands on which this proposed wellsite lies has been 'withdrawn' from the BLM to the administration of the Bureau of Reclamation because of the proximity of the Avalon Lake and Dam Sites.

The proposed storage tanks and production facility will be at a planned finished grade elevation 3200' which exceeds the 3194' lease stipulation.

a. Should the well prove productive then necessary gas handling facilities (a three phase separator and a meter facility) will be placed on the production pad as shown on Exhibit 'D'. The production pad finished grade will be at 3200' MSL. This production pad is planned to be 20' wide by 40' long and will be underlined with a 30-mil liner and bermed with a 2' tall caliche berm to contain any potential spills and to prevent soil and/or groundwater contamination.

b. Should the well be productive of oil and/or water then the storage facilities will be placed on the tank battery pad as shown on Exhibit 'D'. The tank battery pad finished grade will be at 3200' MSL. This production pad is planned to be 30' wide by 90' long and will be underlined with a 30-mil liner and bermed with a 4' tall caliche berm to contain any potential spills and to prevent soil and/or groundwater contamination. Actual well productivity, safety, and environmental considerations will determine the constructed configuration/size of tanks in the proposed tank battery facility. Tank battery fire walls will be a minimum height above the Tank Battery Pad grade in order to contain sufficient volume to provide storage for ALL tank contents with 1' of free board.

c. An LP gas pipeline will be constructed from this wellsite along the east side of the 1,794' access road running north to the proposed Avalon "10" Federal #22 well. This line will convey gas from the Avalon "10" Federal #22 well to a common tie-in on the pad of the Avalon "10" Federal #23 well. A central LP Gas compressor pad (meter and compressor) and compressor drip pad may be set on the south end of location as shown in order to compress the LP wellhead gas to HP sales pressure.

d. An HP sales line from the Lake Shore Fed. S.C. 10-#4 and Lake Shore Fed. S.C. 10-#5 wells will be constructed from these wells in the pipeline ROW to carry sales to the GPM HP trunk line.

Page 4 Avalon "10" Federal #2. 13-Point Surface Use Plan: Continued:

5. LOCATION AND TYPE OF WATER SUPPLY:

a. FRESH WATER: BFC plans to obtain fresh water for drilling from an existing water well on the well pad of the adjacent Lake Shore Fed. S.C. 10-#3 well (see Exhibit 'A' and Exhibit 'D'). A poly-pipe will be laid to carry water to the Avalon "10" Federal #23 wellsite from the water well at the south end of the Lake Shore Fed. S.C. 10-#3. A local water hauling service (purchased from a municipal/agricultural seller) will be used to provide any supplemental water needs.

b. BRINE WATER: BFC plans to obtain brine water for drilling, if needed through a local water hauling source by direct purchase.

6. SOURCE OF CONSTRUCTION MATERIALS:

Exhibit 'F' presents the Construction (Cut and Fill) Plan for the site. Required cuts and fills are identified. Top-Soil and Pit Spoils stockpiles from reserve pit construction are also shown.

a. CALICHE ROCK FOR TOPPING: This material will be obtained during cut-and-fill operations at the drill pad and reserve pit excavation. Additional caliche/sand/gravel will be hauled from commercial pits.

b. WATER FOR COMPACTION: Hauled in per 5.a. above.

7. METHODS OF HANDLING WASTE DISPOSAL:

a. The reserve pit will be lined with a 12 mil plastic liner to prevent ground water contamination. Drill cuttings and fluids will be disposed of in the reserve pit. The drilling fluids will dry by evaporation until the resulting fill is dry enough to walk on. The liner above the dry mud level will then be removed to a sanitary land fill. The remaining pit volume will be closed with clean dry fill (Pit Spoils and Top Soil - see Exhibit 'F'). The reserve pit will be fenced thruout operations.

b. Human waste will be stored in septic facilities and pumped and hauled to sewage facilities.

c. Trash will be stored on-site in a container to prevent wind litter. Trash will then be hauled to a sanitary land fill. Containers subject to MSDS restrictions will be cleaned out and returned to vendors. Rig junk (wire rope, etc.) and metal waste will be removed with the drilling rig.

d. Produced water will be collected in pits/test tanks and hauled to a licensed and regulated produced water disposal facility.

e. Produced oil will be stored on site in test tanks until production facilities are installed and it can be legally sold. Waste oil will be collected and hauled to a waste oil recycler.

Page 5 Avalon "10" Federal #2 13-Point Surface Use Plan: Continued:

8. ANCILLARY FACILITIES:

Exhibit 'G' indicates the location of rig equipment during drilling operations. Also shown on Exhibit 'G' are the trailers required to provide 24-hour supervision during the drilling of this well.

a. Exhibit 'G' indicates camp/trailer facilities required on-site to provide 24-hour site supervision. All trailers will have septic tanks.

b. Exhibit 'H' indicates the location of H2S briefing and warning facilities required by the presence of H2S gas in some of the producing strata to be encountered in the drilling of this well. The H2S Safety Plan is presented as Exhibit 3 to the 8-Point Drilling Plan.

9. WELLSITE LAYOUT:

a. Exhibit 'G' presents the proposed layout of drilling equipment at the wellsite. Well control equipment is highlighted on Exhibit 'H'.

b. Exhibit 'H' indicates the location of H2S briefing and warning facilities required by the presence of H2S gas in some of the producing strata to be encountered in the drilling of this well. The H2S Safety Plan is presented as Exhibit 3 to the 8-Point Drilling Plan.

c. Exhibit 'F' indicates the proposed cut-and-fill limits of the planned facility. A 400'N-S x 400'E-W area was surveyed and cleared (archaeology/flora/fauna) which is larger than anticipated construction disturbance and site safety requirements. The reserve pit will be lined with a minimum 12-mil plastic liner.

10. PLANS FOR THE RESTORATION OF THE SURFACE:

a. The reserve pit will be fenced with 4 strand barbed wire thruout drilling and completion operations. Fencing will only be removed for reclamation operations. The flare pit will be back-filled as soon as completion and testing operations are ended.

b. The drill site will be kept clean and free of trash/pollution thruout drilling, completion, and production operations thruout the life of the well.

c. When the reserve pit is dry the barbed wire fence and posts will be removed and the liner will be cut above the mud-line and hauled to disposal. The pit spoils will then be used to fill the reserve pit and recontour it as nearly as possible to the original topography. The pit surface will then be harrowed parallel to elevation contour and re-seeded with the specified BLM mix parallel to the land contour. Page 6 Avalon "10" Federal #2 13-Point Surface Use Plan: Continued:

10. PLANS FOR THE RESTORATION OF THE SURFACE: Continued:

d. When the well has been judged to be non-productive, or no longer productive, but AFTER the reserve pit has dried out and is ready to fill or has already been filled, all surface production, drilling and completion equipment will be removed to a depth sufficient to facilitate effective reclamation. Then the entire site will be recontoured as nearly as possible to the original topography. The entire location surface will then be cross-ripped with the last pass parallel to elevation contour. The new portion of the access road (constructed for this well) will be back-ripped 2 times. Then the access road and the well-site will be re-seeded with the specified BLM mix parallel to the elevation contour of the site.

11. OTHER INFORMATION: ARCHAEOLOGICAL RESOURCES:

a. TOPOGRAPHY: The land surface at this site is a gently rolling hillside sloping gradually to the southeast (see Exhibit 'A'). The location is a slightly undulating alluvial plane and is a part of the Old Pecos River Terrace.

b. SOILS: Limestone cobbles and gravels (occasional cherts) on an arid thin desert soil underlain by caliche/limestone bedrock. Aridisol and Desert Pavement on Caliche Base w/ occasional loams in deeper fills derived from older alluvium.

c. FLORA AND FAUNA: Creosote and Javelina shrubs, Snakeweed, with variety of Upper Chihuahuan Cacti. Sparse assorted grasses and acacia. Mule and White-Tail Deer, Mountain Lion, Rabbits, Skunks, Voles and Snakes are found in this area. NO ENDANGERED or THREATENED species are present.

d. SITE ARCHAEOLOGY: An archaeological survey of this site was conducted by Southern New Mexico Archaeological Services, Inc. (Bent, NM) on 10/4/2000 and 10/5/2000. The site report is attached as Exhibit 'I' (Report NM-404). NO ARCHAEOLOGICAL RESOURCES WERE FOUND IN THE SURVEYED WELL-SITE AREA. Page 7 Avalon "10" Federal #23 13-Point Surface Use Plan: Continued:

12. SURFACE AND MINERAL OWNERSHIP:

a. All of the surface location of the proposed wellsite of the proposed Avalon "10" Federal #23 wellsite is owned by the Federal Government of the United States of America. The Bureau of Reclamation is the surface use administrator.

b. The minerals underlying the NE SW (40 ac.) of Section 10, T.21S., R.26E., NMPM, Eddy County, New Mexico are owned by the Federal Government of the United States of America. The Bureau of Land Management is the minerals administrator.

The planned well pad and reserve pit only require Federal approval.

13. OPERATOR'S REPRESENTATIVE:

The Operator's Representative responsible for the administration, construction, drilling, completion, testing, production and reclamation of this site is:

Mr. Ronald L. Millet Drilling Manager BONNEVILLE FUELS CORPORATION 1700 Broadway, Suite 1150 Denver, Colorado 80290 Office: (303) 863-1555 ext. 204; Fax: (303) 863-1558 Cell: (303) 916-4062; Home: (303) 841-7604 ON CALL 24 Hours or ON-SITE.

CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access routes; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Bonneville Fuels Corporation and its contractors and subcontractors in conformity with this plan and the terms & conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date: 11/9/00

Signature: / Land Amilet

Rohald L. Millet Drilling Manager Bonneville Fuels Corporation

Exhibit #3 H2S SAFETY PLAN 8-Point Drilling Plan

Avalon 10 Federal #23 Well

WELL-SITE SCHEMATIC:

A well-site schematic (Exhibit #3a) is attached. This schematic indicates:

1. The prevailing winds at this site are out of the NW and SW.

2. Briefing Area #1 (the principle briefing area) is located generally upwind & uphill at the western edge of location.

3. Briefing Area #2 (the secondary briefing area) will be located at the SE corner of the location where the access road enters the location. Briefing Area #2 will have a sign indicating the condition of the site (**Green- OK**: no H2S; **Yellow-Caution**: H2S encountered previously at levels greater than 10 PPM and/or currently at levels less than 10 PPM; **Red- Hazard**: H2S encountered or present on site at levels greater than 10 PPM - Cascade system required for work).

4. Three (3) windsocks will be placed on location with one at Briefing Area #1, one at Briefing Area #2, and one on the NE corner of the location. This should allow anyone at any position on the location to determine wind direction and move upwind and uphill in the event of an H2S release.

5. A 4-channel alarm system will be installed to detect H2S concentrations greater than 10 PPM with individual monitors at the shaker pit, in the substructure of the rig, on the drilling floor and on the mud tanks.

TRAINING AND EQUIPMENT FAMILIARITY REQUIRED:

All of the rig crew, mud loggers, geologists, company supervisors, and the mud engineer and all other regular on-site personnel will be required to undergo H2S training and pass a certification test. All of these personnel will be aware of H2S release procedures and MUST BE familiar and comfortable with donning 5-minute escape masks/packs and donning 30-minute self-contained rescue units.

All personnel MUST understand the fundamentals of rescue in an H2S environment - you cannot help anyone UNLESS you have a rescue unit ON.

The importance of visual contact between on-site personnel (the "buddy" system) will be emphasized. ALL REGULAR ON-SITE PERSONNEL WILL HAVE AT LEAST ONE "BUDDY".

LOCATION OF RESCUE AND ESCAPE AIR MASKS/UNITS and Other H2S Equipment:

- Rescue units will be located as follows on the location:
 2: 30-minute rescue units will be kept at Briefing Area #1.
 1: 30-minute rescue unit will be kept at Briefing Area #2.
- 2. 5-minute escape units will be kept at the following locations:
 - 5 at the drill floor or in the dog house.
 - 1 in each trailer on location.
 - 2 at the shale pit.
 - 1 at the base of the gas buster.
 - 1 at the choke manifold.
 - 2 at the pill pit.
 - 1 at the pump shed.
 - 1 at the generator house.
 - 1 at the accumulator.

3. A hand-held portable H2S detector kit and a flare gun will be kept at Briefing Area #1 or in the Site Supervisor's Trailer for emergency Page 2 Exhibit #3: H2S Safety Plan: Continued: Avalon 10 Federal #23 Well

PERIOD OF OPERATION UNDER H2S PLAN AT THIS WELL SITE:

All of the H2S equipment identified above will be installed and operational, and all of the site personnel H2S Training and Certification will be completed, PRIOR TO the drilling out of the Surface Casing at 600'. All new site personnel, after this time, will be H2S Trained and Certified PRIOR TO entering location. This H2S plan will be adhered to until this well is either successfully drilled to Total Depth, Cased and Cemented or Plugged and Abandoned.

H2S SAFETY DRILLS REQUIRED:

Each crew will be required to conduct an H2S Release safety drill at least once a week. Each of these drills and the time/quality of each drill will be recorded on the appropriate IADC Tour Sheet. Each of these drills will require all location personnel to pick up their nearest upwind 5-minute escape pack and assemble at either Briefing Area #1 or Briefing Area #2, whichever is upwind. Personnel will then be tallied and a rescue party assembled (with 30-minute rescue packs) to recover any "missing" personnel.

H2S RELEASE DURING WELL CONTROL OPERATIONS:

Personnel will be briefed on the complications that can occur as a result of an H2S Release DURING a well control operation. Some H2S and Well Control Drills will be conducted simultaneously in order to emphasize the proper procedure to follow should an H2S Release occur during a Well Control Operation.

Should an H2S Release occur simultaneous with a kick being detected:

1. Immediately don Up-Wind and Dog House 5-minute escape packs. Keep your buddy in sight.

2. Pick-up the kelly to the slip-set position and set the slips and continue to circulate the well with strokes reduced to the preferred kill rate.

3. Open the Hydraulic Master Valve and the Hydraulic Master Choke. Put choke discharge through the gas buster with fluid returns to the mud pits.

4. Close the Annular Preventer.

5. Move Up-Wind ASAP to the Up-Wind Briefing Area.

6. Tally personnel and assemble a rescue party with 30-minute rescue packs to search for any missing personnel.

7. CALL IMMEDIATELY FOR A CASCADE SAFETY SYSTEM TO WORK UNDER.

Should an H2S release occur during a well control operation after the well control operation is underway:

1. Immediately don Up-Wind and Dog House 5-minute escape packs. Keep your buddy in sight.

2. Put choke discharge through the gas buster with fluid returns to the mud pits. DO NOT CHANGE CHOKE SETTINGS OR CIRCULATION RATE.

3. Move Up-Wind ASAP to the Up-Wind Briefing Area.

4. Tally personnel and assemble a rescue party with 30-minute rescue packs to search for any missing personnel.

5. CALL IMMEDIATELY FOR A CASCADE SAFETY SYSTEM TO WORK UNDER.

Page 3 Exhibit #3: H2S Safety Plan: Continued: Avalon 10 Federal #23 Well

IGNITION OF THE WELL:

IN THE CASE OF AN UNCONTROLLED RELEASE OF H2S AT THE DRILL-SITE:

A FLARE PISTOL WILL BE MAINTAINED AT BRIEFING AREA #1 AND/OR IN THE BONNEVILLE FUELS CORPORATION SUPERVISORS TRAILER (ON THE DESK) AT ALL TIMES FOR THE IGNITION OF THE WELL IN THE CASE OF AN UNCONTROLLED RELEASE OF H2S AT THE SITE.

CRITICAL PERSONNEL DEFINED - LOCATION ENTRY PROSCRIBED:

Bonneville Fuels Drilling Supervisors and Rig Contractor Supervisors, Rig Crewmen, the Mud Engineer, and Safety Company Personnel are hereby defined as CRITICAL PERSONNEL. NO personnel other than CRITICAL PERSONNEL will be permitted to enter location should a Red Hazard Sign (ambient greater than 10 PPM H2S) concentration be encountered - until such release is controlled and ended, except for critical material delivery personnel as outlined below.

H2S SCAVENGER REQUIRED ON LOCATION:

An H2S scavenger for water based drilling fluids will be kept on location in sufficient quantity to provide a base concentration in the drilling fluid of 1/2 Pound Per Barrel of drilling fluid in the hole & steel tank mud system. Additional adequate supply will be maintained at the mud vendors nearest storage facility.

PERSONNEL ADMISSION AND SITE REGISTRATION REQUIREMENTS:

If H2S is encountered at the site and the site is functioning under a Yellow Caution Sign (H2S encountered):

1. SITE VISITATION BY NON-CRITICAL PERSONNEL WILL BE DISCOURAGED.

2. ALL ON-SITE PERSONNEL WILL BE REQUIRED TO SIGN-IN AND SIGN-OUT AT BRIEFING AREA ACCESS CONTROL STATION.

3. During Yellow Caution periods Geological and Service Company personnel will be allowed on location ONLY if properly trained and certified for H2S and ONLY to perform work. All such personnel must sign-in and sign-out as above.

If an H2S release with an ambient concentration greater than 10 PPM then the well-site will be operating under the Red Hazard Sign (H2S present):

1. SITE VISITATION BY NON-CRITICAL PERSONNEL IS PROHIBITED. No Geological or Non-Delivery Service Company Personnel will be allowed on location until a Yellow (Caution) condition has been restored to the location.

2. WORK MAY OCCUR ONLY WHEN A CASCADE AIR SYSTEM IS OPERATIONAL, IN PLACE, and IN USE - Except for necessary well control work IF well control operations are already underway. Work to control the H2S release will continue at the site until a Yellow (Caution) Condition is established/achieved.

3. ALL ON-SITE PERSONNEL WILL BE REQUIRED TO SIGN-IN AND SIGN-OUT AT BRIEFING AREA ACCESS CONTROL STATION.

4. REQUIRED MATERIAL DELIVERIES MAY ONLY BE MADE BY H2S TRAINED AND CERTIFIED SERVICE COMPANY PERSONNEL WORKING UNDER A CASCADE SYSTEM WITH THE DIRECT SUPERVISION AND ASSISTANCE OF SAFETY COMPANY PERSONNEL. Page 4 Exhibit #3: H2S Safety Plan: Continued: Avalon 10 Federal #23 Well

H2S PLAN MAY NOT BE REDUCED IN SCOPE:

The aforementioned is an H2S plan which takes into consideration MOST but not ALL of the training, equipment and operational planning issues associated with Potential H2S occurrence at this well-site. No well control or H2S plan can be comprehensive enough to address all possible operational outcomes. This plan may be subsequently modified or improved to fit site, wellbore or drilling equipment constraints with MORE stringent, numerous and comprehensive provision of Safety Equipment, Safety Training, and Safety Personnel requirements. This plan may not be weakened or in any way reduced in the provision of Safety Equipment, Safety Training, or Safety Personnel, however. This plan provides for the MINIMUM required provision of Safety Equipment, Safety Training and Safety Personnel for the drilling of the Avalon 10 Federal #23 well.

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Drilling Manager Bonneville Fuels Corporation

EXHIBIT'E' Par Special Lease Stipular as Pa - 1/4 NM 3606 Alia Idadet bitt witt ze Avalon "10" Feeler 1#23 IIIII SALTANATING STATE Lulige-United States Department of the Interior BUREAU OF RECLAMATION . SOUTHWEST RECION .. HERRING PLAZA BOX H - 1377 AMARILLO, TEXAS 79101 IN REPLY REFER TO: 150 773 FEB 1 2 1975 liemoronau. Chief; Branch of Oil and Cas, Bureau of Land Hanagement, Sante Fe, New Mexico FOL Regional Director . From Subject: Oll and Cas Lease Md 3605 -- Carlsbad Project, New Mexico . When subject oil and gas lease was issued December 1, 1967, we inedvertently inserted an old special stipulation which reads: "Drilling to be prohibited within one half mile of any dom, dike or other mojor structure, and within 150 ft. of the center line of eny canal, lateral or drain connected with the project. Drilling to be probibited within an area established by a line 300 ft. beyond the high water line of Avalon Reservoir, sold high water line being defined as Contour 3100, which Contour is 2.0 ft. above the crest of Spillway No. 1 (See page 322 USGS Water Supply Paper 893)." This stipulation is more stringent than the standard stipulation form which has been used since 1963 Accordingly, we suggest you issue an amendment to subject lease and insert the enclosed form R5-43 in lieu, of the above-quoted special stipulation. Auto Bla Enclosure cc: Hr. James A. Knouf · ... District Engineer U.S. Geological Survey Post Office Drawer U MHOR, Artesta, Hen Nextco 83210 Q (w/c enclosure) Lets Clean Up Americal For Our 200th Birthday

EXHIBITE Pa - 2/4 Special Lease Stipulations. NM 3606

Hualun 10" Federal #23

n5-43 (2-11-64)

Special Stipulations

1. All rights under this lease are subordinate to the right of the United States to flood and submerge the lands, permanently or intermittently, in connection with the operation and maintenance of the <u>Carlsbad (Avalon Reservoir)</u> dam and reservoir project.

2. All surface work performed by the lessee on the lands shall be under the general supervision of the Regional Director, Eureau of Reclamation, in direct charge of the project, and subject to such conditions and regulations as he may prescribe. The plans and location for all structures, appurtenances thereto, and surface work on the leased lands shall be submitted to the said Regional Director for approval in advance of commencement of any surface work on the said lessed lands. All oil or gas drilling and producing operations shall. be under the supervision of the Regional Oil and Gas Supervisor, U. S. Geological Survey, in accordance with 30 CFR, Part 221. The authorized representatives of the Eureau of Reclamation and of the Geological Survey shall have the right to enter on the leased premises at any time to inspect both the installation and operational activities of the lessee

3. No wells shall be drilled for oil or gas balow the conservation pool elevation of <u>3177.4</u> * feet, except upon written permission of the Régional Director, provided, however, that there will be no objection to such drilling by directional methods from adjacent areas above the <u>3177.4</u> * foot elevation; on the condition that such drilling operations are subject to appropriate restrictions to prevent pollution of the reserveir, with operation and maintenance of the reservoir and to prevent interference.

4. All storage tanks shall be constructed above elevation 3194.0 *** feet, mean sea level, and shall be protected by firewalls or dikes of sufficient capacity to protect the reservoir from pollution.

5. Drilling a well for ell or gas is prohibited within 2,640 feet of eny dam, dike, or other major structure, unless otherwise approved by the Regional Director.

6. All drilling operations shall be conducted in accordance with the applicable State is a relative to aunicipal water supplies.

* Conservation pool elevation for the appropriate reservoir ""Maximum vater surface of the appropriate reservoir

Address: Regional Director Bureau of Reclemation P. O. Eox 1609 Amarillo, Texas

Address: Regional Cil and Cas Supervisor Geological Survey

EXHIBIT 'E' Special Lour Stipulations NM 3606 Avalon" 10" Fateral #23 RECEIVED LEASE FOR OIL AND GAS BUREAU OF LAND MANAGEMENT. Act of February 25, 1920 (11 Stat 437), as amended (30 U.S.C. Sees. 181. 9/1/18E-SANTA FE, R.M. er seine bes aberannt si find. Si fift net un verbieten ver fifte tes sind aus un bertres Berring harden in bei einer sind ander sin HOUR: 10:00 A.M. ···, Gilbert E. Behlen rentsun, 138 No Parkway I Fraska69601 Rebraska69601 Redo <u>.3606</u> 刘启州自己的 This oil and gas lease is issued for a period of ten (10) years to the above named lessee pursuant and subject to the provisions of the Mineral Leasing Act and subject to all rules and regulations of the Secretary of the Interior now or hereafter in force, when not inconsistent with any express and specific provisions herein, which are made n part hereof are made a part hereof. Lands included in the lease T. 21 S., R. 26 E., NMPM, New Mexico s subject to the determination by the Survey as to whether the lands herein Lot 12 2: Sec. were on a known geologik structure of a oll or gas lield as of the date of sign-3: NWASWA, SASWA Lots 15, 16, SE4 4:the applyed officers. W 0 not 9: NEWNEY within a Lawren Garlagic SEMNES, NESSES, WSES 10: Structure on date it ESWS, NUSNIE louso issuanco. SYNY, NESES, SUESES 3.1.: EYSWA, WYSEN, SEASEA 12: NICASWA SELNWA 15 For the Diroclor U-S-Gonlogical Survey 720.00 Containing a total of _____1440 Annual Rental. \$. ACTOS This lease is issued to the successful drawee pursuant to his "Simultaneous Oil and Gas Entry Card" applivation, filed under 43 CFR 3123.9, and is subject to the provisions of that application and those specified on the reverse side hereof.... ... ١. 1967 December 1, Effective date of lease: THE UNITED STATES OF AMERICA Fred E. Padilla, Chief Branch of Oil and Gas NOV 1 1967 (TIDe) (Dala) NOTED Acreage Control

EXHIBIT'E' l'e 4/4 Special Lease Stip ulations NM 3600) 3606 "10" Falera • •• #23 haladeris att historia att his station den historia and historia and historia att historia RECENT DUREAU OF LAND EN MIGEMENT UNITED STATEND OFFICE SANTA FE, H. M. DEPARTMENT OF THE INTERIORS 1) 1967 BUREAU OF LAND MANAGEMENT NM 32606 Tand Gas un' 1101-1 vice 1964) (formerly 4 4:10h . . LEASE STIPULA HOUR: 10:00 A.M. . BUREAU OF RECLAMATION

The lineage agrees to maintain, if required by the lessor during the period of this Jerse. Including any extension thereof, an additional band with qualified curciles in such sum as the lessor. If it considers that the bond required under Section 2(a) is insufficient, may at any time iscuire: (a) to pay for damages sustained by any reclamation homestend entrymen to his crops or improvements caused by deling or other operations of the tessee, such damages to include the reinbursement of the entryman by the lessee, when he uses or occupies the land of any homestend entryman, for all construction and operation and maintenance charges be-coming due during such use or occupation upon any portion of the lind so used and occupied; (b) to pay any damage caused to any reclamation project or water supply thereof by the lessee's failure to comply fully with the requirements of this lesse; and (c) to recompense any nomineral applicant, entryman, purchaser under the Act of May 16, 1930 (46 Stat. 367), or palentee for all damages to crops are to langible improvements coused by deliling or other prospecting operations, where any fully during on the prospecting operations, where any fulle here any during the lesser's read-

patentee for all damages to crops or to tangible improvements caused by dilling or other prospecting operations, where any of the lands covered by this lease are embraced in any non-mineral application, entry, or patent under rights initiated prior to the date of this lease, with a reservation of the ail deposits, to the United States pursuant to the Act of July 17, 1914 (30 State 509).

As to any lands covered by this lease within the area of any Government reclamation project, or in proximity thereto, the lessee shall take such precoultons as required by the Secretary to prevent any injury to the lands susceptible to irrightion under such project or to the water supply thereof; provided that drilling is prohibited on any constructed works or right-of-way of the Duranu of Reclamation, and provided, further, that there is reserved to the lesser. Its successors and asalgue, the superior and prior right at all times to con-nitivel, opprate, and majoritation, diver, rearying, county, wasteweys, laterels; ditches, telephone and telegraph lines, effectively maintenance, the lessor. Its successors and estimation, and maintenance, the lessor. Its successors and assigns, shall have the right to use any er all of the lands herein described without making compensation therefor, and

nssigns, shall have the right to use any or all of the lands herein described without making compensation therefor, and shall not be responsible for any damage from the presence of water thereon or on account of ordinary, extraordinary, unex-pected, or unprecedented floads. That nothing shall be done under this lease to increase the cost of, or interfere in any manner with, the construction, operation, and mulatenance of such works. It is agreed by the lessee that, if the construc-tion of any or all of held dams, dikes, reservoirs, cannis, wasteways, intervis, ditches, telephone or telegraph lines, "electric transmission lines, roadways, opputenant irrigation structures or reclamation works across, over, or upon said lands should be made more expensive by reason of the existence of the improvements and workings of the lessee linear, said additional expense is to be estimated by the

Secretary of the Interior, whose estimate is to be final and bluding upon the peritas hereto, and that within thirty (30) days after demand is made upon the leasee (or payment of any auch sums, the lease will make payment thereof to the United States, or its avecessors, constructing such dams, dikes, reservoirs, cannis, westeways, laterals, ditches, telephone and telegraph lines, electric transmission lines, rondways, apputerant irrightion structures, or reclamation works, across, over, or upon said lends; provided, however, that subject to advance written approval by the United States, the location and course of any improvements or works and apputerances may be changed by the lessee; provided, further, that the reservations, agreements, and conditions contained in the within lease shall be and remain applicable nothwithstanding my change in the location or course of said improvements or works of lessee. The lessee further agrees that the United States, lis officers, agents, and employees, and its successors and assigns shall not be held limble for any damage to the improvements or workings of the lessee resulting from the construction, operation, and maintenance of resulting from the construction, operation, and maintenance of ony of the works hereinabove enumerated. Nothing in this paragraph shall be construed as in any manner limiting other reservations in favor of the United States contained in this lease.

The LESSER FURTHER ACREES That there is reserved to this less. The LESSER FURTHER ACREES That there is reserved to the lesser, its successors and malgan, the prior right to use any of the lands berein lessed, to construct, operate, and maintain daws, dikes, reservoirs, cannis, wasteways, laterals, ditches, telephone and telegraph lines, electric transmission lines, rondways, or apportunction materials therefrom, without any myment made by the lessor or its successors for such right, with the eignement on the part of the lesser for such right, with the eignement on the part of the lesser of ris-cannis, wasteways, laterals, diches, telephone and telegraph lines, electric Wangenission lines, readways, or apportunant irright, with the systemits therefrom, should be made expensive by reason of the eart of the lands or the removal of construction materials therefrom, should be made expensive by reason of the existence of improvements or workings of the lesser thereon, such additional expense is to be estimated by the Secretary of the Interior, whose estimate is to be finat and binding upon the parties herelo, and that within thirty (30) days after demand is made upon the lessee for payment of ony such sums, the lessee will make poynent thereof to the United States or its successors constructing such dams, diffes, reservoirs, cannis, wasteways, laterals, differs, ngents, and employees and its successors and assigns shall not be hold limble for any damage to the im-provements or workings of the lessee resulting from the construction, operation, and maintenance of any of the works herein above summarised. Nothing contained in this paragraph shall be construct as in any manner limiting other reservations in favor of the lesser contained in this lesse. 1.1.5. mile OF any dam, dike or, other

Drilling to be prohibited within one half mile of any dam, dike or other major structure, and within 150 ft. of the center line of any canal, lateral Drilling to be prohibited within an or drain connected with the project. area established by a line 300 ft. beyond the high water line of Avalon. Reservoir, said high water line being defined as Contour 3180, which Contour (See page 322 USGS Water Supply Paper 898). is 2.0 ft. above the crest of Spillway_No____ See Generaled Stips

Avalor "IC" Fed. #23 VICINITY MAL EXHIMIT'B'



SEC. <u>10</u> TWP.<u>21-S</u> RGE. <u>26-E</u> SURVEY_<u>N.M.P.M.</u> COUNTY_<u>EDDY</u> DESCRIPTION <u>1980' FSL & 1980' FWL</u> ELEVATION_<u>3201</u> OPERATOR<u>BONNEVILLE FUELS</u> LEASE<u>AVALON 10 FED</u> SCALE: 1" = 2 MILES

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117

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SCALE: 1'' = 2000'

SEC. <u>10</u> TWP.<u>21-S</u> RGE. <u>26-E</u> SURVEY <u>N.M.P.M.</u> COUNTY <u>EDDY</u> DESCRIPTION <u>1980' FSL & 1980' FWL</u> ELEVATION <u>3201</u> OPERATOR <u>BONNEVILLE FUELS</u> LEASE <u>AVALON 10 FED</u> U.S.G.S. TOPOGRAPHIC MAP CARLSBAD WEST, N.M. CONTOUR INTERVAL: CARLSBAD WEST, N.M. – 10'

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117

DISTRICT I P.O. Box 1960, Hobbs, NN 66241-1980

DISTRICT II P.O. Drawar DD, Artonia, NM 85211-0716

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 67410

DISTRICT IV P.O. BOX 2088, SANTA FE, N.M. 87504-2088 State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

EXHIBIT "2"-42 OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number			Pool Code				Avalur: Delaware Cil					
Property Code			L		Well Number 23							
002678			Operator Name BONNEVILLE FUELS								Elevation 3201	
					S	urface	Loca	ation	•			
	ction	Township	Range			Feet from the		North/South line	Feet from the	East/West line	County	
K	10	21 S 26E				1980		SOUTH	1980	WEST	EDDY	
UL or lot No. See	ction	Township	Range	Lot Id	<u> </u>	et from		rent From Sur North/South line	Feet from the	East/West line	County	
40.18	Joint or		nsolidation		Order							
	BLE WI							NTIL ALL INTER APPROVED BY 7	THE DIVISION	CEN CONSOLIDA	TON	
Aropoord: Avalon 10 ° Fed. #12 K371'FN15' 4'72'FWL		Proposed Avalor (# 3 1420' Ful < (1250' 1777, 7 SEE DE 1 # 23 1 1 # 23	o Fel.	 3202 Azr			19 	1/noposed: 4valua 10 Fed. #42 20/FAUL 460/FEI 1/noposed: Hualon 10 Fed #43 7/FSL 2237/FEL ped 12	best of my know Signature Printed Name Title Date SURVEYO I hereby certify on this plat we actual surveys supervised, em correct to the OCTO Date Surveys Signature & Professional Professional OCTO Certificate, No	R CERTIFICAT that the well locatil a plotted from field plotted from field that the well locatil best of my bally BER 3, 2000 Location Beal of Beal of Burreyour Location Beal of Beal of B	ION man shown notes of water my true and LMP 99/00 12641	









EXHIBIT I

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CULTURAL RESOURCE

MANAGEMENT REPORT

Bonneville Fuels Corporation The Proposed Avalon "10" Federal Number 23 Well Location and Access Road Section 10, T.21S., R.26E Eddy County, New Mexico

Written By:

Doralene Sanders and Joe Ben Sanders Project Archaeologist Principal Investigator

Prepared For: Bonneville Fuels Corporation 1700 Broadway, Suite 1150 Denver, CO 80290

Prepared By:

SOUTHERN NEW MEXICO ARCHAEOLOGICAL SERVICES, Inc.

Post Office Box 1 Bent, New Mexico 88314-0001

> Date: October 17, 2000

Project # SNMAS-00NM-404 NMCRIS # 72118

EXHIBIT 'I'

2/5

	TITLE PAGE/ABSTRACT					
	NEGATIVE SITE REPORT					
	ROSWELL DISTRICT					
BLM/ RDO 1/95	Page 1					
1. BLM Report No.	2. (Accepted)	3. NMCRIS No. 7211				
	(Rejected)					
4. Title of Report (Project '						
	A Cultural Resource Inventory					
Th	e Avalon "10" Federal Number 2.	3				
Propo	osed Well Location and Access Re	oad				
	Section 10, T.21S., R. 26E					
	Eddy County, New Mexico					
5 Droiget Date (1)						
5. Project Date(s) October 4, 2000		6. Report Date				
0000001 4, 2000	Oc	October 17, 2000				
7. Consultant Name & Add	1005					
Direct Charge: Joe Ben Sande		8. Permit No.				
Name: Southern New Mexico	Archaeologia-1.9	145-2920-00-G				
Name: Southern New Mexico Address: PO Box 1 Bent, Nev	Movies 88214	· · · · · · · · · · · · · · · · · · ·				
Author's Name: Doralene San	$\frac{1}{1}$	a .				
Field Personnel Names: Ray M	ucio Aedioale	Consultant Report #				
Phone No. (505) 671-4797	IGUIUUK	SNMAS-00NM-404				
10. SPONSOR NAME AND	ADDRESS:					
Individual Responsible: Rober		11. FOR BLM USE				
Name: Bonneville Fuels Corpo	pration					
Address: 1700 Broadway, Suit	te 1150	12. ACREAGE:				
Denver, CO 80290		Total No. of acres				
Phone No. (303) 863-1555 Ex	t. 213	Surveyed 6.00				
		Per Surface				
	(Bureau of Reclamation)	Ownership: Federal 6.00				
		State				
-		Private				
3. Location and Area: (Map	s Attached if negative survey)					
. State: New Mexico h Coun	ty: Eddy c. BLM District: Roswel					
I. Nearest City or Town: Carls	had New Meyico	ii, rieid Office: Carlsbad				
Location: T 21S R 26F Sec	10 Well Pad Footage's <u>1980</u> ' FSI	and 10001 mm				
		L and <u>1980'</u> FWL				
's: Road: SE1/4SE1/4NW1/4: NE1/4N	JE1/4SW1/4					
7.5' Map Name(s) and Code	Number(s): USGS Carlsbad West	NM (1985) 32104-D3				

EXHIBIT'T'

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Page 2

g. Area: Block: Impact: <u>200' X 200'</u> Surveyed: <u>400' X 400'</u> Linear: <u>60' X 1000'</u>

Surveyed: <u>120' X 1000'</u>

14. a. Records Search:

Location:	ARMS HPD.
	BLM Carlsbad

Date: October 3, 2000 Date: October 3, 2000

List by LA # All sites within .25 miles of the project: None

b. Description of Undertaking:

The proposed Avalon "10" Federal Number 23 well location is staked 1980 ft FSL and 1980 ft FWL in Section 10, T.21S., R.26E. The impact area for the proposed well location is an area 200 ft by 200 ft. The proposed access road is 1000 ft long with an impact area of 60 ft by 1000 ft. The proposed access road begins on the northeast corner of the well location and trends 1000 ft north to a previously inventoried right of way (SNMAS-00-NM-403).

c. Environmental Setting NRCS soil designation: vegetative community: etc.:

The project area is located on the westside of Pecos River with gently rolling low hills in shallow soils over limestone bedrock. Vegetation in the area consists of acacia, grass, javelina bush, prickly pear, snakeweed and creosote. Elevation is 3201 ft.

d. Field Methods: Transect Intervals: 8 zig zag transects across well pad, 50-ft zig zag intervals across the staked corridor.

Crew Size: 1 Time in Field: 2 hours Collections: NONE

15. Cultural Resource Findings:

a. Identification and description: (Location shown on project map)

During the current survey, no cultural resources were encountered.

EXHIBIT'I'

Page 3

16. Management Summary (Recommendations):

During the survey, no cultural resources were encountered. Therefore, archaeological clearance is recommended for the Bonneville Fuels Corporation proposed Avalon "10" Federal Number 23 well location and access road, with no stipulations.

I certify the information provided above is correct and accurate and meets all appreciable BLM standards.

Responsible Archaeologist: Signature

Joe Ben Sanders Principal Investigator Date: October17,

7/5

melpai investigator

The above completes a negative report. If eligible of potentially eligible properties are involved, then the above will be the title page and abstract for a complete report

EXHIBIT 'I'

