

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**N.M. Oil Cons. Division**  
**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for a proposed well or reenter an abandoned well. Use Form 3160-3 for well proposals.**  
**8119 4th Street**  
**Albuquerque, NM 88210-2634**

FORM APPROVED  
OMB No. 1004-0135  
Expires July 31, 1996

CISP

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
**Bonneville Fuels Corporation**

3a. Address  
**1700 Broadway, Ste 1150, Denver CO 80290**

3b. Phone No. (include area code)  
**303 863-1555 ext 213**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**2686' FSL 1999' FEL Sec 1 T21S, R26E NMPM**

5. Lease Serial No.

**NM 13624**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

**Avalon 1 Federal #2**

9. API Well No.

**30 015 31104**

10. Field and Pool, or Exploratory Area

**Foster Draw Delaware Gas**

11. County or Parish, State

**Eddy County, NM**

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

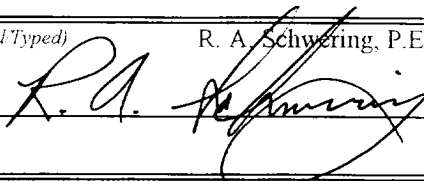
13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical 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.)

Bonneville Fuels Corporation respectfully requests several alterations in the drilling plan for the subject well:

1. Set 9-5/8" 36# J-55 ST&C Casing in 12-1/4" Hole to 1800'.
2. Cement 9-5/8" Casing to surface with 200 Sx. Class 'H' cement w/ 10% A-10B + 10#/sx. Gilsonite + 1/2#/sx. Cello-Flakes + 1% CaCl<sub>2</sub> @ 14.6 PPG @ 1.52 cu.ft./sx. foll/w/ 325 sx. Interfill 'C' Cement (50% 'C' + 50%+B59 Pozmix 'A' + 10% Gel) w/ 10#/sx. Gilsonite + 1/2 #/sx. Cello-Flakes + 2% CaCl<sub>2</sub> @ 11.9 PPG @ 2.50 cu.ft./sx. foll/ w/ 200 sx. Class 'C' Cement w/ 2% CaCl<sub>2</sub> + 1/4#/sx. Cello-Flakes.
3. Perform Remedial 1" cementing jobs as necessary until well is cemented to surface.
4. NU BOPE & Test Casing as per original permit.
5. Drill 8-3/4" Hole to TD @ 3820' TVD (4139' MD). Revised directional plan attached.
6. Set 5-1/2" Production Casing as per original plan & cement to 1000' per orig. plan.

14. Name (Printed/Typed) **R. A. Schwering, P.E.**

Signature



Title

**Operations Manager**

Date

**June 30, 2000**

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

**(ORIG. SGD.) DAVID R. GLASS**

Title

**PETROLEUM ENGINEER**

Date

**JUL 03 2000**

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, 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.

# Sperry-Sun Drilling Services

## Proposal Report for Federal 1 Avalon # 2 - Projection

**Bonneville Fuels Corp.  
New Mexico**

**Eddy County  
Sec. 1-T21S-R26E**

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
1800.00	0.000	0.000	1800.00	0.00 N	0.00 E	0.00	
1900.00	6.000	165.902	1899.82	5.07 S	1.27 E	5.23	6.00
2000.00	12.000	165.902	1998.54	20.24 S	5.08 E	20.87	6.00
2100.00	18.000	165.902	2095.09	45.33 S	11.38 E	46.74	6.00
2200.00	24.000	165.902	2188.40	80.07 S	20.11 E	82.56	6.00
2300.00	30.000	165.902	2277.46	124.08 S	31.16 E	127.94	6.00
2400.00	36.000	165.902	2361.29	176.88 S	44.42 E	182.38	6.00
2470.29	40.217	165.902	2416.59	218.84 S	54.99 E	225.74	6.00
2500.00	40.217	165.902	2439.27	237.55 S	59.66 E	244.93	0.00
2600.00	40.217	165.902	2515.63	300.18 S	75.39 E	309.50	0.00
2700.00	40.217	165.902	2592.00	362.80 S	91.12 E	374.07	0.00
2800.00	40.217	165.902	2668.36	425.42 S	106.84 E	438.64	0.00
2900.00	40.217	165.902	2744.72	488.05 S	122.57 E	503.20	0.00
3000.00	40.217	165.902	2821.08	550.87 S	138.30 E	587.77	0.00
3100.00	40.217	165.902	2897.44	613.30 S	154.03 E	632.34	0.00
3200.00	40.217	165.902	2973.80	675.92 S	169.76 E	696.91	0.00
3234.32	40.217	165.902	3000.00	697.41 S	175.15 E	719.07	0.00
3300.00	37.590	165.909	3051.11	737.41 S	185.20 E	760.31	4.00
3400.00	33.590	165.921	3132.41	793.85 S	199.36 E	818.50	4.00
3500.00	29.590	165.937	3217.58	844.65 S	212.09 E	870.87	4.00
3600.00	25.590	165.956	3306.19	889.57 S	223.34 E	917.18	4.00
3700.00	21.590	165.983	3397.81	928.39 S	233.04 E	957.19	4.00
3800.00	17.590	166.020	3492.01	960.91 S	241.15 E	990.71	4.00
3891.03	13.949	166.073	3579.60	984.92 S	247.11 E	1015.44	4.00
3900.00	13.949	166.073	3588.30	987.02 S	247.63 E	1017.61	0.00
4000.00	13.949	166.073	3685.35	1010.41 S	253.43 E	1041.71	0.00
4100.00	13.949	166.073	3782.40	1033.81 S	259.24 E	1065.82	0.00
4138.74	13.949	166.073	3820.00	1042.87 S	261.48 E	1075.16	0.00

All data is in feet unless otherwise stated. Directions and coordinates are relative to True North. Vertical depths are relative to RKB. Northings and Eastings are relative to Wellhead.

Magnetic Declination at Surface is 9.221° (28-Jun-00)

The Dogleg Severity is in Degrees per 100 feet.

Vertical Section is from Wellhead and calculated along an Azimuth of 165.906° (True).

Based upon Minimum Curvature type calculations, at a Measured Depth of 4138.74ft., The Bottom Hole Displacement is 1075.16ft., in the Direction of 165.924° (True).

Continued...

# Sperry-Sun Drilling Services

Proposal Report for Federal 1 Avalon # 2 - Projection

Bonneville Fuels Corp.  
New Mexico

Eddy County  
Sec. 1-T21S-R26E

## Comments

Measured Depth (ft)	TVD (ft)	Station Coordinates		Comment
		Northings (ft)	Eastings (ft)	
2470.29	2416.59	218.95 S	54.99 E	End of Build
3234.32	3000.00	697.41 S	175.15 E	End of Tangent, Start of Drop
3891.03	3579.60	984.92 S	247.11 E	End of Drop, Start of 2nd Tangent
4138.74	3820.00	1042.87 S	261.48 E	TD