

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM13624		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR Bonneville Fuels Corporation		7. UNIT AGREEMENT NAME		
3. ADDRESS AND TELEPHONE NO. 1700 Broadway Street, Suite 1150, Denver CO 80290 303 863-1555		8. FARM OR LEASE NAME, WELL NO. Avalon 1 Federal #4 25726		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At Surface 2853 FSL 1643' FEL (Lot 31) UNORTHODOX LOCATION At proposed prod. zone 1320 FSL 2310' FWL (Lot 38) UNORTHODOX LOCATION		9. API WELL NO. 30-015-31359		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 2.74 miles		10. FIELD AND POOL, OR WILDCAT Burton Flat Morrow		
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) Surf. (Unorthodox) 190' Bottom Hole Unorth. 330'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 1 T21S R26E NMPM		
16. NO. OF ACRES IN LEASE 406.3		12. COUNTY OR PARISH Eddy		
17. NO. OF ACRES ASSIGNED TO THIS WELL 327.86 (2nd well in pro-ration unit)		13. STATE NM		
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. Surf. 393' Unorthodox B.H. 710'		19. PROPOSED DEPTH 11,745' MD/11,400 TVD		
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* 9/15/2000		
22. ELEVATIONS (Show whether DF, RT, GR, etc.) 3192 GR 3209 KB		23. PROPOSED CASING AND CEMENTING PROGRAM		
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH (MD)	QUANTITY OF CEMENT
17-1/2"	J-55 13 3/8"	54.5	700' ±	570 sx
12 1/4"	J-55 9 5/8"	40	2,360	650 sx
8-3/4"	N-80/L-80 5 1/2"	17	11,745' MD	750 sx 1st stage + 1,280 sx. 2nd stage

Attached find 8 pt Drilling Plan and 13 pt Surface Use Plan and their respective attachments.

8 Pt Drilling Plan		13 Pt Surface Use Plan	
Exhibit #1	BOP Equipment	Exhibit A	Topo & Vicinity Map
Exhibit #2	Choke Manifold	Exhibit B	Vicinity Map
Exhibit #3	H2S Safety Plan	Exhibit C-1	Loc Verification Map
Exhibit #3a	H2S Monitoring Layout	Exhibit C-2	Production Pad Location Map
Exhibit #4	Directional Drill Plan	Exhibit C-3	C-102 Acreage Dedication Plat
Exhibit #5	TVD vs. Path Plot:	Exhibit D	Layout of Prod. Facilities
	Existing Well &	Exhibit E	Lease Stips for NM13624
	Planned Wells	Exhibit F	Cut & Fill Diagram
		Exhibit G	Pit & Pad Layout
		Exhibit H	Drilling Equipment
		Exhibit I	H2S Monitor Layout
		Exhibit J	Arch. Inspection

Notify OCD at SPUD & TIME
to witness cementing the
13 3/8" & 9 5/8" casing.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

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 R. A. Hoffmeyer, P. E. TITLE Operations Mgr. SENM DATE 7/30/00

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval 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

CONDITIONS OF APPROVAL, IF ANY

APPROVED BY IS/LARRY D. BRAY TITLE Assistant Field Manager, Lands And Minerals DATE SEP 28 2000

*See Instructions On Reverse Side

RECEIVED
AUG 01 2000
BLM
ROSWEIL, NM

RECEIVED
AUG 01 2000
ROSWEIL, NM