SUBMIT IN TRIPLICATE*

Form approved. Budget Bureau No. 42-R1425.

		uctions	on	
TO	VATRA	gide)		

UNITE				
DEPARTMENT	OF	THE	INTE	RIOR

GEOLOGICAL SURVEY

NM-53936-A

APPLICATION	FOR PERMIT 1	O DRILL, D	DEEPEN, C	OR PLUG	BACK	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
a. TYPE OF WORK DRIL	L X	DEEPEN [PLUG B	ack 🗌	7. UNIT AGREEMENT N	AME
b. TYPE OF WELL OIL X GAS WELL X WE		71.5	SINGLE ZONE	MUL ZONI	TIPLE	8. FARM OR LEASE NAM	«E
WELL A WE	LL OTHER				·	Berry Fed	dorat
•	n Exploration		Victoria I	ing for a device of		9. WELL NO.	ictai
ADDRESS OF OPERATOR	" Exploration		11.7.0 11.1	72 - 11 - 1		- #1	
			AVINI Direction		aciliA	10. FIELD AND POOL, O	R WILDCAT
P.O. Box 2179	Farmington. port location clearly and	NM 87499	h any State rec	uirements.*)		-	
	' FNL & 1980'		ECE			11, SEC., T., R., M., OB I	wer Gallup
At proposed prod. zone	•	LWL			1.0	Sec. 11-	Γ25N-R13W
• • •	Same		SEP U	7 1983		C NMPM	
4. DISTANCE IN MILES A	ND DIRECTION FROM NEAD	REST TOWN OR POST	T OFFICE* Eau of Lad	to Manakon	MOINT	12. COUNTY OR PARISH	13. STATE
26 miles sout	h of Farmington		WINGTON F	ESOURCE /	MREA	San Juan	NM
5. DISTANCE FROM PROPOS	SED*		16. NO. OF AC	RES IN LEASE		OF ACRES ASSIGNED	· · · · · · · · · · · · · · · · · · ·
LOCATION TO NEAREST PROPERTY OR LEASE LI (Also to nearest drig	unit line, if any)	660'	24			E 80 ·	
8. DISTANCE FROM PROPO TO NEAREST WELL, DR OR APPLIED FOR, ON THE	ILLING, COMPLETED,	660'	19. раговер 500		20. ROT.	Rotary	
1. ELEVATIONS (Show whe	ther DF, RT, GR, etc.)	-	PERATIONS A		ARE	22. APPROX. DATE WO	RK WILL START*
•			O COMPLIANC			August 10 action is subject to ac	98.8-trative
3.	I	PROPÓSIED ENSI	REQUBECIEN	NTING PRO	GRAM This	action is subject to action is subject to action is subject to act action is subject to act	290.
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	00Т 8	TTING DEPTH	-аррс	QUANTITY OF CEME!	٧T
12 1/4"	8 5/8"	32#		300'	Cir +	o surface 250 c u/ft 50/50 Pgz	u/ft C1 B
7 7/8"	4 1/2"	10.5#		5000'	650 c	u/ft 50/50 Poz	C1 B
1. Drill 12	1/4" hole to 30	00' & set 8	5/8" csg	. Cemen	t to cir	culate to surfa	ıce.

- 2. Pressure test BOP & log daily tests while drilling 7 7/8" hole to 5000'.
- Log w/induction & density, set 5 1/2" csg @ 5000' if warranted.
- Cement bond log, perforate & stimulate.

EXHIBITS ATTACHED:

- Location & elevation plat.
- Access & road map to location & radius map.
- Blow out preventer schematic.
- Multi point requirements for APD.
- 10 point compliance.
- F. Production facilities layout.

oductive zonred an

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.		
81GNED Alechare len	TITLE Drlg. & Prod. Man	ager 7-7-23
(This space for Federal or State office use)		APPROVED
PERMIT NO.	APPROVAL DATE	AS AMENDED
APPROVED BY	TITLE	NOV 0 9 1983
ah I		AREA MANAGER
	NMOCC	FARMINGTON RESOURCE AREA

OIL CONSERVATION DIVISION

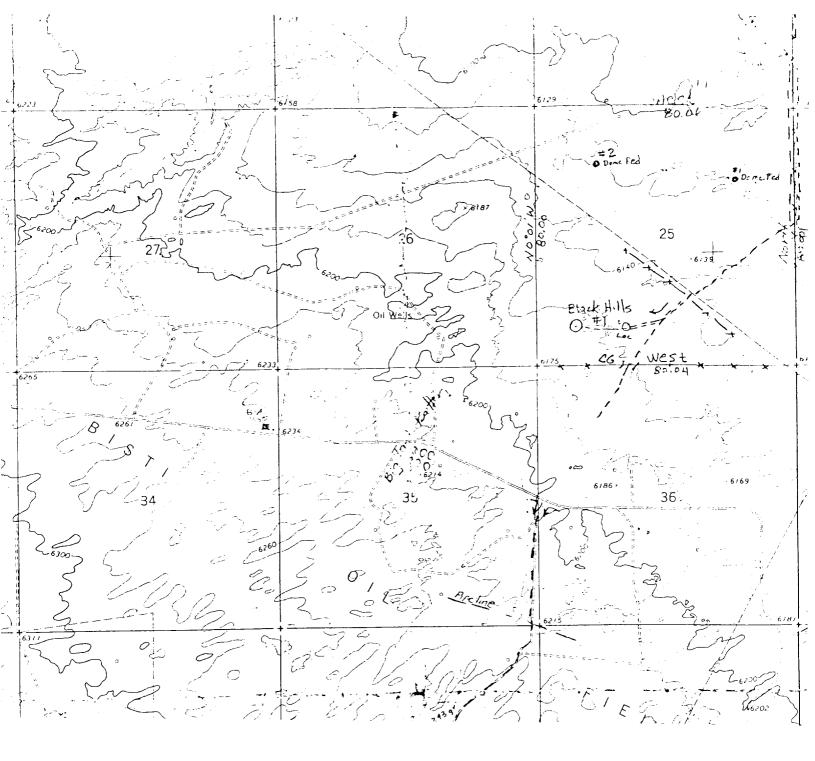
STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-107 Revised 10-1-78

All distances must be from the cuter houndaries of the Section.

Operator			Lease	Well No.	
SOUTHERN UNION EXPLORATION COMPANY			BERRY-FEDERAL	1	
Unit Letter	Section	Township	Range	County	
С	11	25N	13W	San Juan	
Actual Footage Loc	ation of Well:				
990		North line and	.,	et from the West	line
Ground Level Elev:	Producing For		Pool	0.11	Dedicated Acreage:
6284		llup	Bisti Lower		80 Acres
2. If more the interest as	nan one lease is nd royalty).	dedicated to the we		lentify the ownership	the plat below, thereof (both as to working of all owners been consoli-
dated by o Yes If answer this form i	No If a is "no;" list the if necessary.)	unitization, force-poon answer is "yes;" type owners and tract des	of consolidation	actually been coped	idented 283 e reverse side of multization, unitization, postprised by the Commis-
	////				CERTIFICATION
1980	1066 © - Se			rained best of position Drilli Company	by certify that the information conherein is true and complete to the my knowledge and belief. By J. Bollschweiler Ing & Production Supt.
			SEP (171903 INCTED (1903) E-C F 1-1-1-E. SEP 07 1983	shown notes under is tru knowle	x 7, 1983
	1	EJAR FAR	IAU OF LAND CLAMADA MINOTORI PESSOURCE	Fred	and Surveyor. B. Kerr Jr.





Southern Union Exploration Company P. O. Box 2179 Farmington, New Mexico 87499 (505) 327-4481

CASING PROGRAM for BERRY FEDERAL # 1

Hole Size	Csg Size	Weight	Set Depth	Cement
14 3/4" 9 7/8" 6 3/4"	10 3/4" 7 5/8" 4 1/2"	40.5# 29.7# 10.5#	270' 1550' 5025'	325 cu.ft. Class B 510 cu.ft. 65/35 poz & Cl. B 1st stage: 142 cu.ft. 50/50 poz 2nd stage: 539 cu.ft. 65/35 poz & Class B

- A. Drill 14 3/4" hole to 270'. Run 6 jts. 10 3/4", 40.5#, J-55 casing and set @ 270'. Cement with 275 sk. Class B cement with 2% CaCl₂. (100% excess for circulation).
- B. Pressure test BOP and casing to 800 psi. Drill out cement with 9 7/8" bit and 9 7/8" hole to 1550' (Lewis Shale). Run 7 5/8", 29.7#, J-55 casing and land at 1550'. Cement with 255 sk. 65/35 poz 6% gel followed by 100 sk. Class B. (50% excess to circulate to surface casing).
- C. Pressure test BOP and casing to 1000 psi. Drill out cement with 6 3/4" bit and 6 3/4" hole to 5025'.
- D. Run CNL- FDC and GR- IND logs, 5025' to 1550'.
- E. Run 4 1/2", 10.5#, J-55 casing to 5025'. Cement in two stages. 1st: 115 sk. 50/50 poz, 2% gel, 7# salt 2nd: 300 sk. 65/35 poz, 6% gel, 6 1/4#/sk. gilsonite followed by 50 sk. Class B. (25% excess to circulate to intermediate).
- F. Cement Bond Log and perforate to Lower Gallup (Tocito).

