			NM OIL CO		ION		C/2 M
Ferm 9-331 C (May 1963)			Drawer DD	UBMIT IN T., 40ther instruct	LICATE	Form approved Budget Bureau	l. No. 42- <b>B1425</b> .
(	UNITI	ED STATES	Artesia,	r663 <u>d</u> 0d	le)	30-005	-61985
	DEPARTMENT				1	5. LEASE DESIGNATION	
	GEOLOG	ICAL SURVI	EY			NM-2359	
APPLICATION	FOR PERMIT T	O DRILL, I	DEEPEN, OF	PLUG B	ACK	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
		DEEPEN		PLUG BAC	К 🗌	7. UNIT AGRNEMENT NA	1.M E
b. TYPE OF WELL OIL GA	S XX OTHER		SINGLE	MULTIPL	.Е.	8. FARM OR LEASE NAM	(K
WELL L.J. WH 2. NAME OF OPERATOR		/	APR 21	1002		Sorenson "II	3" Federal
Yates Petro	leum Corpora	tion 🖌				9. WELL NO.	
207 S. 4th, Artesia, New Mexico 882-544 OFFICE						3 10. FIELD AND POOL, OR WILDCAT	
4. LOCATION OF WELL (Report location clearly and in accordance with any Skic Waite Home.)					Pecos Slope Abo		
At surface 1980	FSL and 1980	' FWL				11. SEC., T., B., M., OB E AND SURVEY OB AB	ELK. EA
At proposed prod. zono Same	At proposed prod. zone Ut. K Same				Sec. 6-T7S-I	R26E	
14. DINTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*				12. COUNTY OR PARISH	13. STATE		
Approximate	ely 30 miles	NE of Ros				Chaves	NM
15. DISTANCE FROM PROPO LOCATION TO NEAREST PROPERTY OR LEASE L	INE, FT.	20 J	16. NO. OF ACBE		төт	DF ACRES ASSIGNED HIS WELL	
18. DISTANCE FROM PROPOSED LOCATION			20, ROTĂ	ARY OR CARLE TOOLS			
			Rotary				
21. ELEVATIONS (Show whe	ther DF, RT, GR, etc.)					22. APPROX. DATE WO	BE WILL START*
3655.9' GL						ASAP	<u> </u>
23.	P	ROPOSED CASI	NG AND CEMEN	TING PROGRA	м		An all
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	TOOT SETT	ING DEPTH		QUANTITY OF CEMEN	TT DEL
14 3/4"	10 3/4"	40.5# J-	55 88	0'	750 :	<u>sx circulated</u>	1 AV THAT
7 7/8"	4 1/2"	9.5# J-	55 <u>T</u>	D	<u>350</u> s	5X	Day yay
							THR AR

10 41.

We propose to drill and test the Abo and intermediate formations. Approximately 880' of surface casing will be set and cement circulated to shut off gravel and caving. If needed (lost circulation) 8 5/8" intermediate casing will be run to 1500' and cemented with enough cement calculated to tie back into the surface casing. If commercial, production casing will be run and cemented with adequate cover, perforated and stimulated as needed for production.

MUD PROGRAM: FW gel/LCM to 880', Brine to 3200', Brine/KCL water to TD.

BOP PROGRAM: BOP's will be installed at the offset and tested daily.

GAS NOT DEDICATED.

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.

STENED Cy Coeron	TITLE Regulatory Agent	DA4/6/83
(This space for Freeral or State office use) APPROVED PERMIT NO.	APPROVAL DATE	<u> </u>
APPROVED BY CONDITIONS OF APPROVALAPPROVALAPPROVAL	APPROVAL SUBJECT TO	
	APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND U.S. GEOLO SPECIAL STIPULATIONS ATTACHED	LÀ GAS DGICAL SURVEY NEW MEXICO

## NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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VATES PETROLEUM CORPORATION       Sorenson IB Federal       3         Contract       Township       Township       Coursy       Cou	YATES PETROLEUM CORPORATION       Sorenson ID Federal       3         Via Lative       K       6       7 South       Charge         Sorenson ID Federal       3       Charge       Charge         Sorenson ID Federal       3       Charge       Charge         Sorenson ID Federal       3       Charge       Charge         1950       South       1000 feet mento       WESt       Endedding South         3655.9.2       Producting South       Producting South       Endedding South       Endedding South         3655.9.2       Producting South       Producting South       Endedding South       Endedding South         3655.9.2       Producting South       Producting South       Producting South       Endedding South         3655.9.2       Producting South       Producting South       Foregrad South       Endedding South         3655.9.2       Producting South       Producting South       Endedding South       Endedding South         3655.9.2       Producting South       Producting South       Producting South       Endedding South         3655.9       Producting South       South South       Endedding South       Endedding South         3655.9       Producting South       Producting South       Endedding South	All dista	nces must be from the out	er boundaries of the Sec	tion.			
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this form if necessary.)	this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION I hereby certify that the information con- tained herein is true and complete to the best of my knowledge and belief. Name CY Cowan Position Regulatory Agent Company Yates Petroleum Corp Date 4/6/83 I hereby certify that the well facation show on this play was plotted from field and survey and by the soft of my knowledge and belief. I hereby certify that the well facation and the some is under my supervision, and that the some is is of actual survey and by the soft of my knowledge and belief. Date advore to the best of my knowledge and belief. Date Surveyed Harch 30, 1963 Heytenet Performation Continued Performational Displayer advor Lond Surveyor. Certificate No. Y977	Yes 🔽 No If answer is '	'yes," type of consol	idation				
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## YATES PETROLEUM CORPORATION Sorenson "IB" Federal #3 1980' FSL and 1980' FWL Sec. 6-T7S-R26E

In conjunction with Form 9-331C, Application for Permit to Drill subject well, Yates Petroleum Corporation submits the following ten items of pertinent information in accordance with USGS requirements.

- 1. The geologic surface formation is sandy alluvium.
- 2. The estimated tops of geologic markers are as follows:

San Andres	434'
Glorieta	1522'
Fullerton	2941'
Abo	3533'
TD	4200'

3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water: Approximately 250'-350'

0il or Gas: Abo 3558'

- 4. Proposed Casing Program: See Form 9-331C.
- 5. Pressure Control Equipment: See Form 9-331C.
- 6. Mud Program: See Form 9-331C.
- 7. Auxiliary Equipment: Kelly Cock; pit level indicators and flow sensor equipment; sub with full-opening value on floor, drill pipe connection.
- 8. Testing, Logging and Coring Program:

Samples: Surface Csa toTD DST's: AS WARRENTED Coring: NONE Logging: CNL-FACTD TO CS9 W/9:- ONL to Surface, DU from TD to CS9.

- 9. No abnormal pressures or temperatures are anticipated.
- 10. Anticipated starting date: As soon as possible after approval.









## YATES PETROLEUM CORP. Exhibit C





S P. YATES PRESIDENT MARTIN YATES, III VICE PRESIDENT JOHN A. YATES VICE PRESIDENT B W. HARPER SEC TREAS

207 SOUTH FOURTH STREET ARTESIA. NEW MEXICO 88210 TELEPHONE (505) 748-1331

April 6, 1983

Mr. George Stewart Minerals Management Service Federal Building Roswell, New Mexico 88201

Re: Sorenson "IB" Federal #3

Dear Mr. Stewart,

Yates Petroleum Corporation has submitted an application to drill a well on surface owned by Tom Cooper of the Cottonwood Ranch, Roswell, New Mexico. This well is located in Sec. 6 T7S-R26E, 1980' FSL and 1980' FWL, Chaves County, New Mexico.

In an on-site visit with Mr. Steve Thompson, it was agreed that we would compensate him monetarily for the surface damages incurred. After drilling has been completed, the pit area will be leveled after it is dry and along with the pad will be left to reseed naturally.

Sincerely,

Cy Qwan Regulatory Agent YATES PETROLEUM COPORATION

CC/dw