Folm 9-331 C (May 1963)	UNI DEPARTMEN	MOCC CON TED STATES T OF THE IN GICAL SURVE	ITERIOF	SUBMIT IN T (Other instru reverse	uctions on	Form approv Budget Bures 30 - 0/5-2 5. LEASE DESIGNATION NM 27276	
APPLICATIC	ON FOR PERMIT	TO DRILL, D	EEPEN,	OR PLUG	ВАСК	6. IF INDIAN, ALLOTTI	E OB TRIBE NAME
1a. TYPE OF WORK	PE OF WORK DRILL X DECITION SINGLE MULTIPLE AL OTHER OF					7. UNIT AGREEMENT Benson Deep 8. FARM OR LEASE NA .Benson Deep	lomet
NAPECO, 1	NC. AMIL	41A, 1.2	- 2- d 			9. WELL NO.	
P. O. BOX 4. LOCATION OF WELL At surface	283 - Houston, Report location clearly and	Texas 77001 in accordance with	any State r	•	•	10. FIELD AND POOL, Wildcat True	nou
At proposed prod. z	& 2180' FEL one & 2180' FEL		J.	AN 1 8 197	9	11. SEC., T., B., M., OR AND SURVEY OR A	BEA
	A AND DIRECTION FROM NEA	REST TOWN OR POST	OFFICE* AR	D. C. C.		Sec. 33-T18S- 12. COUNTY OF PARISE	- <u>F.3OE</u> 1 13. state
	south Loco Hills	, N.M.			E	Eddy	New Mexico
15. DISTANCE FROM PRO LOCATION TO NEAR PROPERTY OB LEASI (Also to dearest d 18. DISTANCE FROM PR	ST : LINE, FT. rlg. unit line, if any)	6601		ACRES IN LEASE	TOTI	DF ACRES ASSIGNED HIS WELL 320 RY OR CABLE TOOLS	
TO NEAREST WELL, OR APPLIED FOR, ON 2	DRILLING, COMPLETED,	1350'		700	20. KOTA	Rotary	
21. ELEVATIONS (Show v	whether DF, RT, GR, etc.)		,		· ·	22. APPROX. DATE W	DRK WILL START*
23.	• * • • • • • • • • • • • • • • • • • •	GR 3404.2				On approval	
<u></u>	·····	PROPOSED CASING	·····		RAM	60 days oper	ation
17 1/2"	SIZE OF CASING	WEIGHT PER FOO	DT 8	ETTING DEPTH		QUANTITY OF CEME	
$\frac{17 1/2^{11}}{12 1/4^{11}}$	<u>13 3/8" K55LT</u> 9 5/8" K55LT			<u> </u>		ac class C plu ac class C w/4	
8 1/2"	5 1/2" K55LT & N80LT			11700'	per sac colite sac Cla 350 sa 5 lb. 1	4% gel. + 2% o c celo flac + + 10% salt. T ass C + 2% cal ac Class H + 2 per sac potass . per sac D108	5# per sac ail in w/3CO /1C% D65 + ium cloride +
trips. In (just above wtr., set place w/39 less w.l. press. or coring, el IN ABOVE SPACE DESCRI zone. If proposal is t preventer program, if a	rill 10" (see at hstall pit level) ve T/Wolfcamp). & 5/8" into top & KCl wtr. (8.8 9.2 to 9.5 # wt hydrogen sulphic lectric logs run BE PROFOSED PROGRAM: If o drill or deepen directiona my.	ler, flow se Drill surf. on Andres, to 9.0 # wt. , 32 to 34 de gas antic to T.D. Fr proposal is to deepe lly, give pertinent	nsor & hole w drill o , no. w vis. (s ipated. esh wat n or plug ba data on subs	gas separat /fresh wtr. ut 8 5/8" v .l.) to ll ufficient o Drillster er zone ant ck, give data on p urface locations a	tor & ye ., inter w/fresh ,1CO', i control m test p ticipate present produ	ellow jacket b rmediate hole wtr. to 9200' inc. to 5% KCl BHP) no abnor pos. prod. zon ed @ 225', wat uctive zone and propose and true vertical dept	y 9200' w/brine , dis- , 10 or mal high es no er flood d new productive OVER
24.	. U.4/ · .	Se		, not	tel A	caret-	
SIGNED	X. Hensch		E Agen	.t		DATE	mber 5, 1978
	leral or State office use) (<i>1.67</i>		VAL DATE	17-7		
PERMIT NO.	······		APPBO	VAL DATE	<i>.</i>	-1	
APPROVED BY CONDITIONS OF APPRO	OVAL, IF ANY :	TITL	E			DATE	
		*C I					

+

See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well

Consult local Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, show-ing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

839-171

zone (Queen) 2450' to 3050', gas zone in Morrow, no other minerals expected.

<u>Est. Tops:</u> Rustler Anhy	100
Base Salt	400
	1200
Queen	2475
Base N. Benson Pay	3050
San Andres	3400
Base Delaware	4590
lst BS Sand	7100
3rd BS Sand	8750
Wolfcampian	9278
U. Penn	10150
Strawn	10578
Atoka	10800
Morrow Lime	11258
U. Morrow Clastic	11388
Base Morrow	11668



United States Department of the Interior

GEOLOGICAL SURVEY P. O. Box 26124 Albuquerque, New Mexico 87125

JAN 1 8 1979

JAN 17 1979 0. C. C.

NAPECO, INC. Benson Deep Unit No. 1 660 FSL 2180 FEL Sec. 33, T18S, R30E Eddy County Lease No. NM-27276

Above Data Required on Well Sign

Gentlemen:

NAPECO, Inc.

Post Office Box 283

Houston, Texas 77001

Your APPLICATION FOR PERMIT TO DRILL the above-described well in the Secretary's Oil-Potash Area to a depth of 11,700 feet to test the Morrow is hereby approved subject to compliance with the OIL AND GAS OPERATING REGULATIONS (30 CFR 221) and the following conditions:

- 1. Drilling operations authorized are subject to compliance with the attached General Requirements for Oil and Gas Operations on Federal Leases, dated July 1, 1978.
- 2. Prior to commencing construction of road, pad, or other associated developments, operator will provide the dirt contractor with a copy of the Surface Use Plan and these Conditions of Approval including the attached General Requirements.
- 3. Submit a Daily Report of Operations from spud date until the well is completed and the Well Completion Report (form 9-330) is filed. The report should be not less than 8" x 5" in size and each page should identify the well.
- 4. All permanent above-ground structures and equipment shall be painted in accordance with the attached Painting Guidelines. The color used should simulate sandstone brown (Federal Standard Color No. 595A, color 20318 or 30318).
- 5. Before drilling below the 9-5/8" casing, the blowout preventer assembly will consist of a minimum of one annular type and two ram type preventers.
- 6. A kelly cock will be installed and maintained in operable condition.
- 7. After setting the 9-5/8" casing string and before drilling into the Wolfcamp formation, the blowout preventers and related control equipment shall be pressure tested to rated working pressures by an independent service company. Any equipment failing to test satisfactorily shall be repaired or replaced. This office should be notified in sufficient time for a representative to witness the tests and shall be furnished a copy of the pressure test report.

- 8. Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be installed and operating before drilling into the Wolfcamp formation and used until production casing is run and cemented. Monitoring equipment shall consist of the following:
 - (1) A recording pit level indicator to determine pit volume gains and losses.
 - (2) A mud volume measuring device for accurately determining mud volume necessary to fill the hole on trips.
 - (3) A flow sensor on the flow-line to warn of any abnormal mud returns from the well.
- 9. Notify the Survey in sufficient time to witness the cementing of the 9-5/8" casing.
- 10. Cement behind the 13-3/8" and 9-5/8" casing must be circulated.

Sincerely yours,

(ORIG. SGD.) JAMES W. SUTHERLAND

Area Oil and Cas Supervisor

•

Enclosure

cc: Regional Manager, Denver Mining Branch (2) BLM, Roswell (w/cy Notice) √NMOCD, Artesia (2 w/2 cys Notice) Artesia Roswell (w/cy Notice) Area Potash Area Chrono.

N MEXICO OIL CONSERVATION COMMISS WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

		All distances must be f	rom the outer bound	aries of the Section		J
perator	XXXXX NAPECC	, INC.	Lease XRCCS	·····	nson Deep	Well No.
0	action 33	Township 18 Sputh	Range 30 E	ast	Eddy	
Actual Foctage Locatio	en of Well; eet from the SO	uth line and	2180	feet from the	East	line
Ground Level Elev. 3404.2	Producing Form Morrow		Pool Wildcat		1	Dedicated Acreage: 320 Acres
 Outline the solution If more than interest and If more than dated by com Yes If answer is this form if n No allowable 	acreage dedicat one lease is royalty). one lease of di munitization, un No If an "no," list the c eccessary.) will be assigne	nitization, force-pooli swer is "yes," type of owners and tract desc d to the well until al	ell by colored p l, outline each a dedicated to the ing. etc? of consolidation criptions which l interests have	well, have the	e ownership the interests of DE US HEULUGICH V.S. HEULUGICH Deen consolidat	plat below. ereof (both as to working all over the consoli- weak (Use reverse side of munitization, unitization, approved by the Commis-
sion.					l hereby ce tained here	CERTIFICATION artify that the information con- tin is true and complete to the knowledge and belief.
	- + I I I I I I				Date	L. Heinsichy nt ECO, INC. ber 21, 1978
	EER & LAND CLINVEYO 676 MEXICO WW. WEST	0 0 0 0 0 0 0 0 0			shown on t nates of a under my s is true an knowledge Date Surveys Novem Registered P and/or Land	iber 4,1978 Professional Engineer Surveyor W. Ukat
0 330 660 '80	0 1320 1680 198	0 2310 2640 200	100 100	00 80 0		^{Io.} John W. West 676 Ronald J. Eidson 3235