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Form 9-331 C (May 1963)	R. ISEI	<u>D1</u>	SUBMIT IN T (Other instru		 Form approve Budget Bureau 	d. 1 No. 42-R1425.
(1123 1000)		ED STATES	reverse s	de)	30-015-23	3230
	DEPARTMENT	OF THE INTER	RIOR	_	5. LEASE DESIGNATION	
	GEOLOG	ICAL SURVEY			LC-029415-B	
APPLICATIO	N FOR PERMIT TO	O DRILL, DEEP	EN, OR PLUG	BACK	6. IF INDIAN, ALLOTTER	OR TRIBE NAME
1a. TYPE OF WORK		DEEPEN	PLUG BA		7. UNIT AGREEMENT N	AME
b. TYPE OF WELL		8			8. FARM OR LEASE NAM	
WELL W	AS OTHER		ONE ZONE		Puckett "B"	
2. NAME OF OPERATOR			MAD 1 0 1000	•	9. WELL NO.	
WILLIAM A. a	EDWARD R. HUDSC		<u></u>		28	
3. ADDRESS OF OPERATOR	tesis. New Mexic	co 88210	000		10. FIELD AND POOL, O	B WILDCAT
3. ADDRESS OF OPERATOR Box #198, A1 4. LOCATION OF WELL (F	tesia, New Mexic	n accordance with any s	O. C. D. State requirements.*)	- 	10. FIELD AND POOL, O Maljamar (G-	
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It is proposed to drill this well with rotary tools to a depth of

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approximately 3975'. Production string will be cemented near bottom and pays

will be perforated and treated with acid and frac. All casing will be new.

See attachment for other data.

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st 13		
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM zone. If proposal is to drill or deepen dire preventer program. if any.	a: If proposal is to deepen or plug back, give data on pr ectionally, give pertinent data on subsurface locations an	esent productive zone and proposed new productive
24. SIGNED Malph	Way FUTLE Consultant	DATE Jan. 17, 1980
(This space for Federal or State office u	APPROVAL DATE	3 - 18 - 80
APPROVED BY CONDITIONS OF APPROVAL, IF ANY :	TITLE	DATE

*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 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.

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

U.S. GOVERNMENT PRINTING OFFICE : 1963-0-711-396

MEXICO OIL CONSERVATION COMMIS N WELL LOCATION AND ACREAGE DEDICATION PLAT

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

rator	All distance	s must be from the	outer boundaries of	the Section	
	Ed R. Hudson	Lease	Pucke	tt "B"	Well the 28
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Yes	No If answer is " yes				
If answer is "	no?' list the owners and t	ract descriptio	ns which have ac	tually been consolidat	ed. (Use reverse side -
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	ill be assigned to the well				
	or otherwise) or until a nor	1-standard unit	, eliminating sucl	h interests, has been a	pproved by the Commu
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United States Department of the Interior MAR 19 1980

GEOLOGICAL SURVEY P. O. Drawer U Artesia, New Mexico 88210

O. C. D. ARTESIA, OFFICE

March 18, 1980

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William A. & Edward R. Hudson P. O. Box 198 Artesia, New Mexico 88210

Gentlemen:

WILLIAM A. & EDWARD R. HUDSON Puckett "B" No. 28 2615 FSL 1345 FEL Sec. 25 T.17S R.31E Eddy County Lease LC 029415-B

Above Data Required on Well Sign

Your APPLICATION FOR PERMIT TO DRILL the above-described well to a depth of 3,975 feet to test the San Andres formation 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 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 this approval including the GENERAL REQUIREMENTS.
- 3. All access roads will be limited to a 12 foot wide driving surface, excluding turnarounds. Surface disturbance associated with road construction will be limited to 20 feet in width.
- 4. Submit a Daily Report of Operations from spud date until the Well Completion Report (form 9-330) is filed. The progress report should be not less than 8" x 5" in size and each page should identify the well.
- 5. All permanent above-ground structures and equipment shall be painted in accordance with the attached Painting Requirements. The color used should simulate Sandstone Brown (Federal Standard No. 595A, color 20318 or 30318).
- 6. Notify the Survey by telephone 24 hours prior to spudding well.
- 7. Cement behind the 8-5/8" casing must be circulated.
- 8. Please have anyone contacting the Survey in regard to this well to identify the well with all of the information required above for the well sign.

Sincerely yours,

TART.

George H. Stewart Acting District Engineer RALPH L. GRAY

PETROLEUM ENGINEERING . PRODUCTION CONSULTANT P. O. BOX 198 ARTESIA, NEW MEXICO 88210

January 17, 1980

United States Geological Survey P. O. Drawer U Artesia, New Mexico 88210

Gentlemen:

On January 8, 1980, we transmitted an Application to Drill the William A. & Edward R. Hudson Puckett "B" well #28, and also included a surface use and operations plan.

The footage location for this well has been changed slightly and we are attaching a revised Form 9-331C showing the corrected footage. and we are also attaching revised well location plats.

The well data sheet which was attached to the original application should be attached to the revised application.

This unorthodox location was approved by the New Mexico Oil Conservation Commission Order No. R-5473.

Sincerely, Ralph Z may

RLG:1.

Encls.

RALPH L. GRAY

PETROLEON ENGINEERING - PRODUCTION CONSULTANT A O POX 168 ARTESIA NEW MERICO 83210

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Form 9-331 C (May 1963)	UNIT	M.O.C.D. C ED STATES	5	•	er instruc reverse si	de)		ed. u No. 42–R1425.
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b. TYPE OF WELL OIL GA WELL W	ELL OTHER		SING		MULTIP Zone		8. FARM OR LEASE NA	ME
2. NAME OF OPERATOR							Puckett "B	11
WILLIAM A. 3. ADDRESS OF OPERATOR	& EDWARD R. HUD	SON					9. WELL NO. 28	
Box #198, A	rtesia, New Mex	ico 88210					10. FIELD AND POOL,	OR WILDCAT
4. LOCATION OF WELL (Re At surface	eport location clearly and	in accordance wit	th any Sta	te requireme	nts.*)	2	Maljamar (G-SA)	
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14. DISTANCE IN MILES A	ND DIRECTION FROM NEAR	EST TOWN OR POS	T OFFICE*				12. COUNTY OR PARISE	13. STATE
	of Maljamar, N	ew Mexico					Eddy	New Mexico
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18. DISTANCE FROM PROP	OSED LOCATION*		19. PROP	POSED DEPTH		20. ROTA	RY OR CABLE TOOLS	
TO NEAREST WELL, DI OR APPLIED FOR, ON THI		9701		3975		F	otarv	
21. ELEVATIONS (Show whe	ther DF, RT, GR, etc.)	•					22. APPROX. DATE W	DRK WILL START*
							March 15, 1	980
23.	P	ROPOSED CASH	NG AND	CEMENTING	PROGRA	м		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	00T	SETTING D	EPTH		QUANTITY OF CEME	NT
12-1/4"	8-5/8-J-55	24#		.75)		450	
7-7/8"	5 ¹ 2 - J-55				5		550	

It is proposed to drill this well with rotary tools to a depth of approximately 3975'. Production string will be cemented near bottom and pays will be perforated and treated with acid and frac. All casing will be new.

See attachment for other data.

RECEIVED

JAN 7 1980

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : zone. If proposal is to drill or deepen direct preventer program, if any.	U.S. GEOLOGICAL SI If proposal is to deepen or plug backpristation of the second state	RVEYCtive zone and proposed new productive repeat and true vertical depths. Give blowou
24. signed Adyu	May TITLE Consultant	DATE Jan. 3, 1980
(This space for Foderal or State office use	e)	
PERMIT NO	APPROVAL DATE	
APPROVED BY	TITLE	DATE

*See Instructions On Reverse Side

Instructions

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

U.S. GOVERNMENT PRINTING OFFICE : 1963-O-711-396 839-171 . dina 31

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Form C-101 Superseden C+128 Ettective 19965

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3875.7 Grayburg-San		Maljamar (G-		e troite o Alterge.	**.5
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	2640 2000	1500 1000	800 O	Ronald J. Eidson	3239

ADDITIONAL DATA

PUCKETT ''L'' WELL #28

- 1. Surface formation is recent sands and caliche.
- 2. Estimated tops:
 - T. Subverte 710° T. Salt - - - 830° B. Salt - - - 1900° T. Red Sand - - 3000° T. San Andres - 3630° .
- 3. It is expected that oil and gas might be encountered within the depths of 3500' to 3975'.
- 4. Casing (See Form 9-331C).
- 5. Pressure control equipment (see attached diagram).
- 6. No special mud will be used. Drilling will be done with water and natural mud formed by drilling red beds and shales. Before running casing, some mud of suitable qualities will be spotted.
- 7. Auxiliary equipment not applicable for shallow well.
- 3. No tests will be made before cementing casing, and no cores will be taken. Logs will be Gamma ray-Compensated Neutron and Cemert bond log.
- 9. No abnormal pressures or temperatures are anticipated, or special hazards.
- 10. It is expected drilling will be commenced about March 15, 1980, and well should be completed about April 15, 1980.

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RALPH L. GRAY PETROLEUM ENGINEERING - PRODUCTION CONSULTANT P. O. BOX 198

ARTESIA. NEW MEXICO 88210

January 7, 1980

United States Geological Survey P. O. Drawer U Artesia, New Mexico 88210

Gentlemen:

Attached is Application to Drill the William A. & Edward R. Hudson Puckett "B" well #28. This also includes the surface Use and Operations Plan along with various maps, diagram of location, pad and equipment and a contour map of the area.

It would be appreciated if your personnel would make the archeology inspection and we will assume that this will be handled by you unless we receive further notice from you.

Please advise if any additional information is needed.

Sincerely, Rayel Zmay

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U.S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO

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SURFACE USE AND OPERATIONS PLAN

WILLIAM A. & EDWARD R. HUDSON PUCKETT "B" WELL #28 2615' from the north and 1295' from the east lines Section 25-17S-31E Eddy County, New Mexico Lease No. LC-029415-B (Development Well)

Following is the surface use and operations plan for the drilling and operation of the well.

1. & 2. EXISTING ROADS AND PLANNED ACCESS

Exhibit "A" shows a map of the general area. The location of the well can be reached by going west from Maljamar, New Mexico, on U.S. Highway #82 a distance of about 4-1/3 miles. Turn southeastward at cattleguard marked by a "Hudson" sign. Go about 9/10 of a mile on dirt road, then go south approximately 1/4 mile. Turn west on lease road for 1/8 mile, then turn south and go about 1-1/8 miles. Access road will go directly west from this point about 1/8 mile to location.

Exhibit "B" shows a more detailed map, scale 1" = 1,000'. This map shows wells, roads, tank batteries, camp, office, water injection plant and flow lines, including proposed flow line for this well. Access road will be constructed with bull dozer to level sandy soil and will be topped with caliche. Flow line will be buried.

3. LOCATION OF EXISTING WELLS

Wells are shown on both exhibits "A" and "B". On Exhibit "B", producing wells are indicated by solid dots and water injection wells are indicated by circles.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Proposed well location is shown on Exhibit "B" by the red circle. Fluids produced from well will go to present tank battery and new flow line connecting well into present gathering system is shown by the blue dashed line. Flow line will be buried.

5. LOCATION AND TYPE OF WATER SUPPLY

Water for drilling the well will be obtained from a water supply tank, located 3/4 mile to the north. A temporary line will be laid on the surface from well to tank. If supply is not adequate, another line may be laid to water injection system.

6. SOURCE OF CONSTRUCTION MATERIALS

Caliche for surfacing access road and location pad will be obtained from a surface pit located north of location about 700 feet. This is shown on Exhibit "B". Pit is on Federal land.

7. METHOD OF HANDLING WASTE DISPOSAL

A. Drill cuttings will be disposed of in drilling pits.

- B. Drilling fluids will be allowed to evaporate in the drilling pits until pits are dry.
- C. Oil produced during tests will be stored in test tanks, or stored in battery until sold.
- D. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- E. Trash, waste paper, garbage and junk will be buried in separate trash pit and covered with a minimum of 24 inches of dirt. Location of trash pit is shown on Exhibit "C".
- F. All trash and debris will be buried or removed from well site within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES

None.

9. WELLSITE LAYOUT

- A. Exhibit "C" shows the relative location and dimensions of the well pad, mud pits, reserve pit, trash pit and location of major rig components.
- B. Only minor levelling of the well site will be required.
- C. Pits will be unlined.

10. PLANS FOR RESTORATION OF THE SURFACE

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and location cleaned of all trash and junk to leave wellsite in as good a condition as possible.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. After abandonment of the well, surface restoration will be in accordance with agreement with the surface owner. Pits will be filled and location cleaned. The pit area, well pad, and all unneeded access roads will be ripped to promote revegetation. Rehabilitation should be accomplished within 90 days after abandonment.

11. OTHER INFORMATION

- A. Topography: Land surface is relatively flat with small hill areas and sand dunes.
- B. Soil: Soil is deep sand underlain by caliche.
- C. Flora and Fauna: The vegetative cover is generally sparse and consists of mesquite, yucca, shinnery oak and very little native grass. Wildlife is typical of semi-arid desert land and includes coyotes, rabbits, rodents, reptiles, dove and quail.

- D. Ponds and Streams: There are no rivers, streams, lakes or ponds in the area.
- E. Residences and Other Structures: There are personnel dwellings, office and waterflood plant in the north half of Section 24 as shown on Exhibit "B".
- F. Land Use: Grazing and hunting in season, although the principal use is production of oil.

12. OPERATOR'S REPRESENTATIVE

The field representative responsible for assuring compliance with the approved surface use and operations plan is as follows:

> Mr. Dwaine Howard 1007 West Dallas Ave. Artesia, New Mexico Home Phone: 746-9489 Office Phone: 676-2266

CERTIFICATION 13.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct, and that the work associated with the operations proposed herein will be performed by William A. & Edward R. Hudson and their contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

<u>Han 7, 1980</u>

AM L'May RAY, CONSULTING ENGINEER

RALPH L. GRAY PETROLEUM ENGINEERING - PRODUCTION CONSULTANT P. O. BOX 198 ARTESIA, NEW MEXICO 88210

January 8, 1980

RECEIVED

JAN 8 1980 U.S. GEULUGICAL SURVEY ARTESIA, NEW MEXICO

United States Geological Survey P. O. Drawer U Artesia, New Mexico 85210

Gentlemen:

Cur letter of January 7, 1980, transmitted an application to drill the William A. 8 Edward R. Hudson - Puckett "B" well #28. We would like to furnish additional information which will be a part of the Surface Use and Operations Plan.

The caliche pit which was referred to, which will furnish material for the read and location, is located in the SE/4 NE/4 of Section 25-175-31E.

alph Zmay Sincerely. RALPH L. GRAY

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RALPH L. GRAY RETEXISEN ENGINEERING + PRODUCTION CONSULTANT set Kos lo la ARTEGA NEW MEXICO 88210

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