Form 9-881 C (May 1968)

APPROVED B

CONDITIONS OF APPROVAL, IF ANY:

JAMES A. CILLHAM DISTRICT SUPERVISOR

N. M. DILCONS. COMMISSION P. O. BOL JOES SANTA UNITED STATES

ROBNIES BLA (Other instruction reverse side)

Form approved. Budget Bureau No. 42-R1425.

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30-039-20010 DEPARTMENT OF THE INTERIOR 5. LHARD DERIGNATION AND SERIAL NO. JUN 29 1982 GEOLOGICA' SURVEY 41797 PODIAR C ALLOTTED OF TRIBE NAME APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PRUG. BACK ARTESIA, OFFICE 1a. TYPE OF WORK DRILLXX DEEPEN PLUG BACK 🗌 b. TYPE OF WELL MULTIPLE ZONE FARM OR LEASE NAME WELL X OTHER 2. NAME OF OPERATOR Joseph P. May dba MAY ENERGY COMPANY 3 S 25 3. ADDRESS OF OPERATOR Rt. 2 Box 654 Stroud, Okla. 74079
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) 660' FWL and 660' FSL LUNA COUNTY, NEW MEXICO At proposed section 28, T22S, R7W 28, # SWE u(n)= 22B 12. CONTY OR PAISE 13. STATE 14. DISTANCE IN MILES AND DIRECTION FROM NEARBET TOWN OR POST OFFICE E B LUNA MENICO 17 miles NE of Deming, New Mexico 16. DISTANCE FROM PROPOSED® LOCATION TO MEAREST PROPERTY OR LEASE LINE, PT 16. NO. OF ACRES IN LEASE 8928 40 acres 660 (Also to nearest drig, unit line, if any) 18. DISTANCE FROM PROPOSED LOCATIONS Wildcat 19. PROPOSED DEPTH 20. BOTARE OF CARLE COOLS TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, PT. Ro tary 5280' 3500 abbuch 21. BLEVATIONS (Show whether DF, RT, GR, etc.) WORK WILL START 28. APPROS. DATE 4360 GR as possible spon 28 PROPOSED CASING AND CEMENTING PROGRAM PERMIT OF COMBINE SIEB OF MOLE SIEB OF CASING WRIGHT PER FOOT SETTING DEPTH *57*8 850 CIRCULATE 10. 3500 5000 llow ala Brate lara 10. aora Mud Program see exhibit Blowout Prevention Program see exhibit locations tate of the state of the second state of the second state of the second 2 8 1982 21218 OIL & GAS U.S. GEOLOGICAL SURVEY ROSWELL, NEW MEXICO 3 IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive some and proposed new productive was a first of drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout ₩6 la 0wner TITLE Sed.) GEORGE H. STEWART DRUT JUN 1 0 1982 6.33 611

TITLE

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 for State office.

Hem 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.

Irem 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, showing 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.

会 U.S. GOVERNMENT PRINTING OFFICE: 1963--O: 711-396

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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

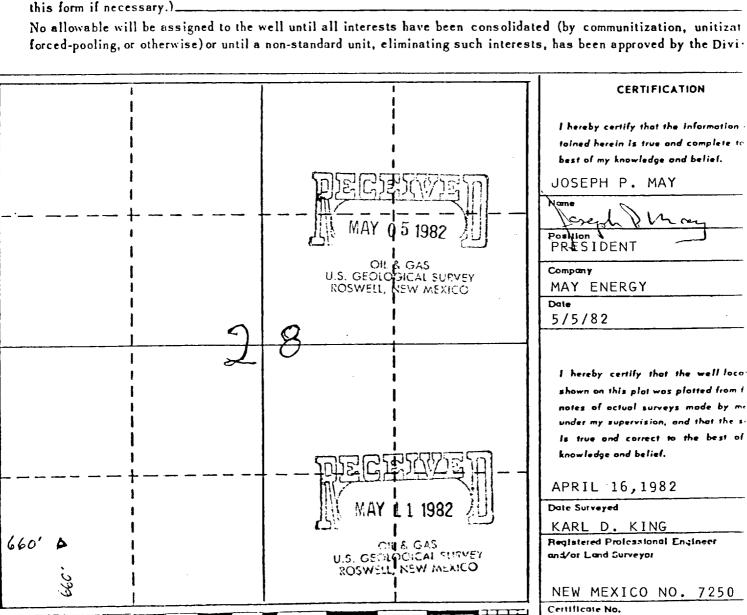
Form C-102

All distances must be from the outer boundaries of the Section Well No. Operator MAY ENERGY 2 Unit Letter Section County 28 22 S 7 W LUNA Actual Footage Location of Well: SOUTH line and 660 Icel from the WEST feet from the Ground Level Elev. Producing Formation Dedicated Acreage: Wilder - The tien 4360 MONTOYA 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

- 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to work interest and royalty).
- 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been condated by communitization, unitization, force-pooling. etc?

Yes Yes	☐ No	If answer is '	yes,	type o	f consolidation	n

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse sidthis form if necessary.).



EW MEXICO OIL CONSERVATION COMI JION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section.

Operator	TOF P. MI	9 Y Energy (Lease MM	Y ENERG	: Y	Well No. 2 ME 28-14
Unit Letter	Section 28	Township 22	S. Range 7	w. County	UNA	
Actual Footage La	ocation of Well:				JEST	
660 Ground Level Elev			e and 660	feet from the	Dedico	line uted Acreage:
4360		TOYA	Was !			Acres
1. Outline t	the acreage dedica	ted to the subje	ct well by colored p	encil or hachure ma	rks on the plat	below.
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Yes	No If a	nswer is "yes," t	ype of consolidation			
If answer	r is "no;" list the	owners and tract	descriptions which	have actually been	consolidated. (Use reverse side of
this form	if necessary.)			· · · · · · · · · · · · · · · · · · ·		
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	1				knowledge and t	elief.
			 			PRIL 16, 1982
	 		1		Date Surveyed	2 King
660' A	, 		 	1 1	Registered Profest and/or Land Surve	1 /
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9					Certificate No.	CO No. 7250
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APPLICATION FOR DRILLING

MAY ENERGY COMPANY

ME 28-1A

660' FWL and 660' FSL Section 28, T22S, R7W LUNA COUNTY, NEW MEXICO (EXPLORATORY WELL)

In conjunction with Form 9-331C, Application for Permit to Drill subject well, MAY ENERGY COMPANY submits the following ten items pertinent information in accordance with USGS requirements:

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

Permian	2100'		
Pennsylvanian	2250'		
Mississippian	2650 '		
Devonian	2850 '		
Silurian	3350 '		
Ordovician	3500 '	to	4000'
(Montoya)			

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

Water: Approximately 195' and 600'

Oil or gas: 3500' to 4000'

Ordovician (Montoya)

- 4. Proposed Casing Program: See Form 9-3310 and exhibit F.
- 5. Pressure Control Equipment: See Form 9 331C and exhibit E.
- 6. Mud Program: See exhibit G.
- 7. Auxiliary Equipment: See exhibit H.
- 8. Logging:
 At TD, Compensated Density Log
 Induction Electrical Log
- 9. No abnormal pressures or temperatures are anticipated.
- 10. Anticipated starting date: As soon as possible.

11. OPERATOR'S REPRESENTATIVES.

A. The field representatives responsible for assuring compliance with the approved surface use plan are:

Drilling Supt.
MAY ENERGY COMPANY

Jerry Schonfield Okemah, Oklahoma 918 623-1704

Operator
MAY ENERGY COMPANY

Joseph P. May Stroud, Oklahoma 918 968-2305 918 968-3564

Carl Ketchum Broken Arrow, Oklahoma 918 455-0138

12. CERTIFICATION.

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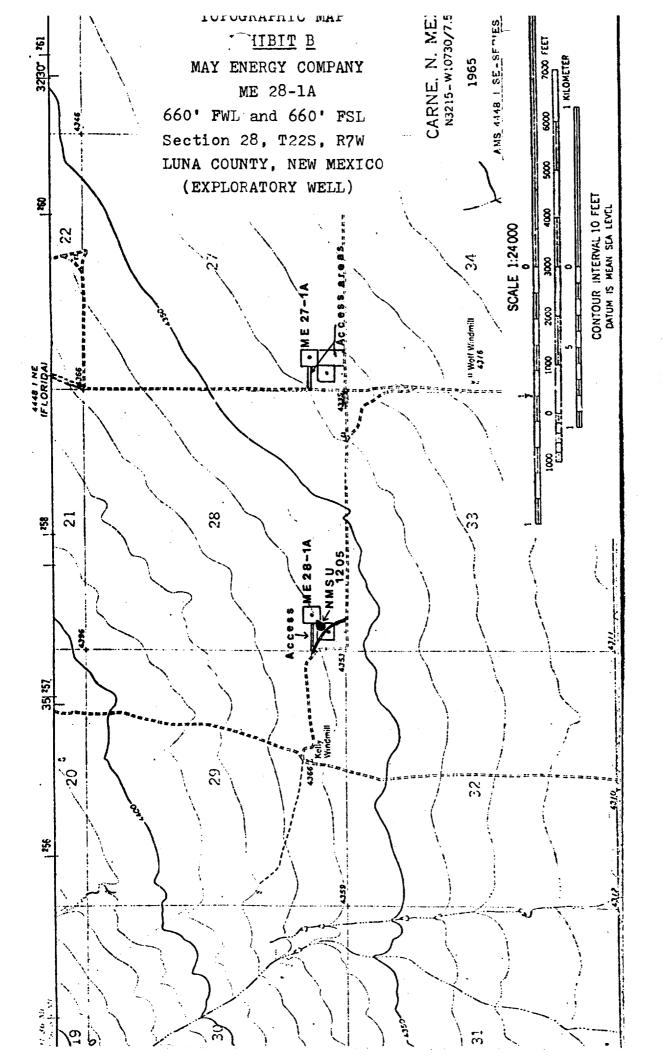
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access routs; that I am familiar with the condition which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by MAY ENERGY COMPANY and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

4-22-82

Data

Joseph P. May

MAY ENERGY COMPANY



Attachment 1. Location of Alternate Well Pads

PAD LAYOUT

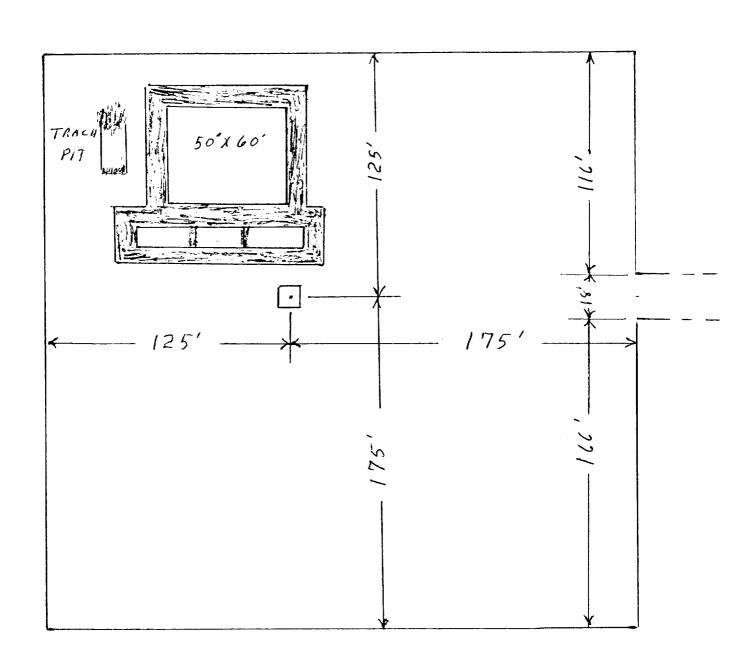
EXHIBIT D

MAY ENERGY COMPANY

ME 28-1A

660' FWL and 660' FSL Section 28, T22S, R7W LUNA COUNTY, NEW MEXICO





BLOWOUT PREVENTOR

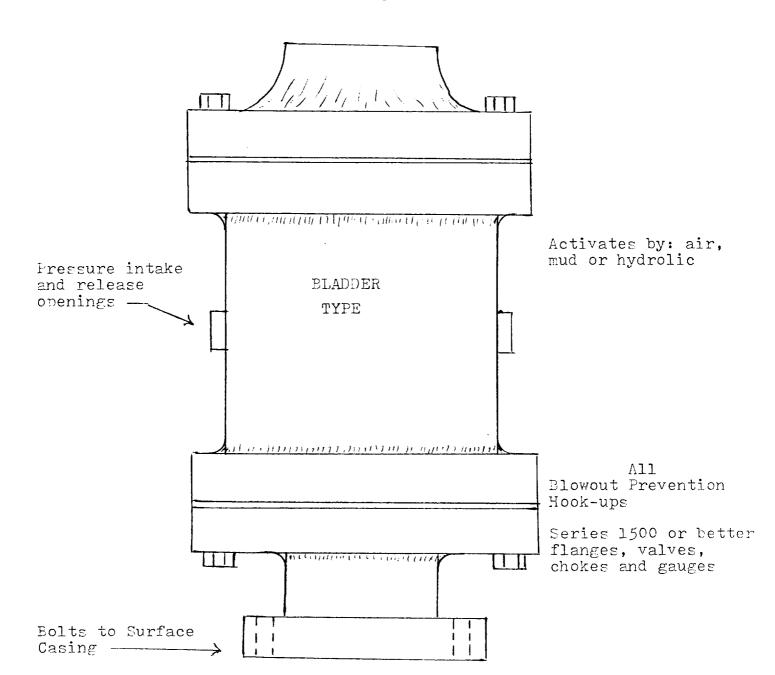
EXHIBIT E

MAY ENERGY COMPANY

ME 28-1A

660' FLW and 660' FSL Section 28, T22S, R7W LUNA COUNTY, NEW MEXICO (EXPLORATORY WELL)

Regan 8 5/8" BOP 5000 PS1 Working Pressure



PRODUCTION COMPANY

SUMMARY

EXHIBIT F

MAY ENERGY COMPANY

ME 28-1A

660' FWL and 660' FSL Section 28, T22S, R7W LUNA COUNTY, NEW MEXICO (EXPLORATORY WELL)

DRILLING, LOGGING, CASING and CEMENTING.

- 1. Drill 11" hole to 850' ±.
- 2. Cement 8 5/8", 28 # casing with 675 sx., containing 3% CaCl₂ and 1/4 #/sk Flocele. Run guide shoe, cement basket and centralizer on first joint and centralizer and cement basket at 400'. Use one wooden plug to displace cement.
- 3. Felease pressure immediately, nipple up and install BCPs. Test Casing to 600 PSl after approximately 18 hours and drill out cement.
- 4. Drill 7 7/8" hole to TD at 3500' ±. A fresh water mud system will be used to 2000'. At this point the system will be mudded with Drispac, Flocele, Soda ash, Super lignite and Costic soda for 33 35 Sec./1000° viscosity and 10° water loss. This type of drilling fluid should be sufficient to drill to 3500' or TD, with exception of weight viscosity which may need altering as hole conditions dictate.
- 5. Run 4 1/2", 10.5 # Casing and cement with 120 sx, 50-50 Pozmis "A", 10% salt, 0.75 % DFR-2 friction reducer and 1/4 #/sk. Flocele. Use guide shoe, float valve, automatic fillup and 8-10 centralizers as necessary. Use rubber plug, displace cement with clean fresh water treated with 2% KCl.
- 6. Perforations, acid job, and additional stimulation to be determined after completion.