Form 3160-3 (November 1983) (formerly 9-331C)

SIGNED

PERMIT NO.

APPROVED BY

(This space for Federal or State office use)

CONDITIONS OF APPROVAL, IF ANY :

SUBMIT IN TR._LICATE. (Other instructions PhECEI **UNITED STATES**

Willet Bureau No. 1004-0136 Expires August 31, 1985

DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 18. TYPE OF WORK DRILL DEEPEN DEEPEN PLUG BACK 5. TYPE OF WORK D. TYPE OF WORK WILL DEEPEN DEEPEN PLUG BACK T. OHIT AGBEBRATE NAME H. E. WOSE "A" H. E. WOSE "A" H. E. WOSE "A" B. WELL NO. 16. WORK TAKEN F. O. BOX 2208, ROSWell, NM 88202 17. OHIT AGBEBRATE NAME H. E. WOSE "A" B. WELL NO. 18. WELL NO. 19. OF TAKEN OR LEASE NAME 19. OF TAKEN OR LEASE				I OF THE			К			5. LEASE DESIGNATION AND BERIAL NO.
DEEPEN PLUG BACK T. ONIT ADDRESS TABLE SOUR PLUG BACK T. ONIT ADDRESS TABLE DEEPEN T. ONIT ADDRESS TABLE DEEPEN PLUG BACK T. ONIT ADDRESS TABLE DEEPEN T. ONIT ADDRESS TABLE		В	UREAU O	LAND MANA	GEME	ΝТ			Nov U	LC-029426-A
DELPEN DELLE DEEPEN PLUG BACK DITTLE WILL AGREEMENT RAMES N. TITLE OF WELL WILL AGREEMENT RAMES N. THEO WELL OTHER AND OTHER AND OF PLUG BACK WILL AGREEMENT RAMES N. THEO WELL N. THEO WELL N. THEO WELL N. THEO WELL N. THEO OTHER N. E. West "A" N. E. West "	APPLICATIO	N FOR	PERMIT	TO DRILL.	DEEP	EN.	OR	PLUG	BACK	6. IF INDIAN, MEOTTER OR TRIBE NAME
D. THE OF WELL. OAR OTHER NOTE DONE SORE SORE									7	
WILL WELL OTHER SOME SOME HILDER HILL SOME HILDER H. E. WEST "A" H. ADME OF OFTERATOR RECEIVED RECEIVER RECEIVE RECEIVED RECEIVER RECEIVER RECEIVER RECEIVER		RILL 🖾		DEEPEN			PI	LUG B	ACK 🗌	
H. E. West "A" Note of Operation Hondo Oil & Gas Company RECEIVED Received P. O. Box 2208, Roswell, NM 88202 Increase or well. (Report location clearly and in accordance with any State requirement of the control of the contro	01L 🔽		OTHER				П			S. FARM OR LEASE NAME
Hondo oil & Gas Company ADDRESS OF CREATOR P. O. Box 2208, Roswell, NM 88202 P. O. Box 2208, Roswell, NM 8208, Roswell,			<u> </u>							H. E. West "A"
P. O. BOX 2208, ROSWell, NM 88202 - DOCKTION OF WILL (Report location clearly and in accordance with any State req Note 188			pany				REC	CEIVED)	
- Cocking of will (Report location clearly and in accordance with any State restably 1988 Crayburg Jackson 2-44 aurices 1980' FRI & 1980' PWI At proposed prod tone 10 miles northeast of Loco Hills, NM Sec. 3-T17S-R31E 10 miles northeast of Loco Hills, NM Sed 11 No. or Access IN Lease 12 country or Parish Inc. In any 13 state 14 No. or Access IN Lease 15 No. or Access IN Lease 16 No. or Access IN Lease 17 No. or Access Lasioned 18 No. or Access IN Lease 18 No. or Access IN Lease 19 No or Access IN Lease 10 No. or Access IN Lease 10 No. or Access IN Lease 10 No. or Access IN Lease 11 No. or Access Lasioned 12 No. or Access Lasioned 13 No. or Access IN Lease 14 10 No. or Access Lasioned 18 No. or Access IN Lease 19 No. or Access IN Lease 10 No. or Access IN Lease 10 No. or Access IN Lease 11 No. or Access Lasioned 12 No. or Access Lasioned 13 No. or Access Lasioned 14 No. or Access Lasioned 14 No. or Access Lasioned 18 No. or Access IN Lease 19 No. or Access IN Lease 10 No. or Access Lasioned 10 No. or Access Lasioned 10 No. or Access Lasioned 11 No. or Access Lasioned 12 No. or Access Lasioned 12 No. or Access Lasioned 13 No. or Access IN Lease 14 No. or Access IN Lease 18 No. or Access IN Lease 18 No. or Access IN Lease 19 No. or Access IN Lease 10 No. or Access IN Lease 10 No. or Access IN Lease 11 No. or Access Lasioned 12 No. or Access IN Lease 13 No. or Access IN Lease 14 No. or Access IN Lease 16 No. or Access IN Lease 17 No. or Access Interestable Interestable 18 No. or Access IN Lease 19 No. or Access IN Lease 10 No. or Access IN Lease 11 No. or Access IN Lease 12 No. or Access IN Lease 13 No. or Access IN Lease 14 No. or Access IN Lease 15 No. o	ADDRESS OF OPERATO	R								16
AND PROPOSED CASING AND CEMENTING PROGRAM A proposed production from Process of the Co. C. D. Sec. 3-T175-R31E	P. O. Box 22	208, Ros	well, NM	88202						Q. FIELD AND POOL, OR WILDCAT
ARRESTING FOR THE SECON PROPOSED L DIRTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR FOST OFFICE' 10 miles northeast of Loco Hills, NM 11 miles northeast of Loco Hills, NM 12 Eddy 13 STATE 14 Eddy 15 NM 16 NO. OF ACEES IN LEASE 16 OF ACEES IN LEASE 17 TO THIS WELL 18 DIRTANCE FROM PROPOSED' 19 PROPOSED CARRE INE, FT. 19 Indiance From Proposed Carrior' 19 PROPOSED CASING AND CEMENTING PROGRAM 11 10/88 PROPOSED CASING AND CEMENTING PROGRAM 12 1/4" 13 5 5/8" 14 10/88 PROPOSED CASING AND CEMENTING PROGRAM 12 1/4" 13 5 5/8" 14 10/88 PROPOSED CASING AND CEMENTING PROGRAM 12 1/4" 15 5 5/8" 16 PROPOSED CASING AND CEMENTING PROGRAM 12 1/4" 15 5 5/8" 16 PROPOSED CASING AND CEMENTING PROGRAM 17 0/8" 18 1/10/88 PROPOSED CASING AND CEMENTING PROGRAM 18 1/2 1/4" 18 5/8" 24 # CIRCULATE 625' 300 SX. Class C w/2% CC 200 SX. Class C + 600 SX. Lit Mud Program: 0 - 625' Drill with fresh water. 625 - 4120' Drill with brine water. 80P Program: Will install on the 8 5/8" surface casing a 10" Series 900 Type "E" Shaffer Double Hydraulic BOP and will test before drilling into the Queen formation. POST TD- N + APT 1/18-88 ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive sone and proposed new productive for the proposed is to drill or deepen directionally, give pertingut data on subsurface locations and measured and true vertical depths. Give blowout for the proposed is to drill or deepen directionally, give pertingut data on subsurface locations and measured and true vertical depths. Give blowout for the proposed is to drill or deepen directionally, give pertingut data on subsurface locations and measured and true vertical depths. Give blowout for the proposed is to drill or deepen directionally, give pertingut data on subsurface locations and measured and true vertical depths.	At surface	Report locat	lon clearly an	d in accordance wi	th any	State	regNe	"#5.48"		
DIRECTION FROM PEARENT TOWN OR POST OFFICE* 12. COUNTY OR FARISH 13. STATE			WL				C.	C. D.	WE'	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
10 miles northeast of Loco Hills, NM D. DISTANCE FROM PROPOSED LOCATION TO MARKEST IN LEASE LOCATION TO MARKEST ME. FR. LAISO to Destreet drie, until the fire to the control of the cont	4. DISTANCE IN MILES	AND DIRECT	ION FROM NE	STET TOWN OF POS	T OFFIC	· p 6	ARTES	IA, OFFIC	.	
D. DISTANCE FROM PROPOSED DOCATION TO MEAREST PROPOSED 1980' 639.56 40 10. NO. OF ACRES IN LEASE TO THIS WELL 40 ADDITION: PROPOSED LOCATION: TO THIS WELL 1980' 1980' 19. PROPOSED DEPTH 20. ACTART OR CABLE TOOLS ROTATIVE OF ACRES INSIGNED 17. NO. OF ACRES INSIGNED TO THIS WELL 40 ACTART OR CABLE TOOLS ROTATIVE OF ACRES INSIGNED 17. NO. OF ACRES INSIGNED TO THIS WELL 40 ACTART OR CABLE TOOLS ROTATIVE OF ACRES INSIGNED 10. PROPOSED CABLE 10. ACTART OR CABLE TOOLS ROTATIVE OF ACRES INSIGNED 11. TOO. OF ACRES INSIGNED TO THIS WELL 40 ACTART ROTATIVE WELL 10. ACTART OR CABLE TOOLS ROTATIVE PROPOSED CABLE TOOLS ROTATIVE PROPOSED CABLE TOOLS ROTATIVE PROPOSED 11. 10. OF ACRES INSIGNED TO THIS WELL 40 ACTART 40 ACTART 12. ACTART 13. ACTART 13. ACTART 13. ACTART 13. ACTART 13. ACTART 14. ACTART 14. ACTART 14. ACTART 14. ACTART 14. ACTART 14. ACTART 15. ACTART 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES INSIGNED TO THIS WELL 40 ACTART ACTART ACTART 17. NO. OF ACRES INSIGNED TO THIS WELL 40 ACTART 10. ACTART 10. ACTART 11. ACTART					. OFFIC					
LOCATION TO REMEMBER FT. (Also to perfect drik, until line, if any.) DISTANCE FROM PRIORSED LOCATIONS TO NEARSET WILL, DRILLING, COMPLETED, OR APPLEO POR, ON THIS LEASE, FT. 1320' DISTANCE PROM PRIORSED LOCATIONS TO NEARSET WILL, DRILLING, COMPLETED, OR APPLEO POR, ON THIS LEASE, FT. ELEVATIONS (Show whether DF, RT, GR, etc.) 3956' GR PROFOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE SIZE OF HOLE SIZE OF ARING BIZE OF HOLE SIZE OF ARING WEIGHT PER FOOT RETTING DEFTIK QUANTITY OF CEMENT 12 1/4" 8 5/8" 24#CRCULATE 625' 300 SX. Class C w/2% CC 7 7/8" 5 1/2" 15.5 CRCULATE 4120' 200 SX. Class C + 600 SX. Lit MUD Program: 0 - 625' Drill with fresh water. 625 - 4120' Drill with brine water. 80P Program: Will install on the 8 5/8" surface casing a 10" Series 900 Type "E" Shaffer Double Hydraulic BOP and will test before drilling into the Queen formation. **POST ID-1** N L A F I 1/-18 -88* AROVE SPACE DESCRIBE PROFOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive and proposed new productive for the proposal is to drill or deepen directionally, give pertingnt data on subsurface locations and measured and true vertical depths. Give blowout for the proposal is to drill or deepen directionally, give pertingnt data on subsurface locations and measured and true vertical depths. Give blowout for the proposal is to drill or deepen directionally, give pertingnt data on subsurface locations and measured and true vertical depths. Give blowout for the control of the	DISTANCE FROM PRO	PUSED*	OT POCO	HIIIS, NM	1 16. N	0. OF	ACRES II	N LEARE	17 NO (
Instance From Pictores Locations 1320 15. Proposed Depth 20. Rotary	PROPERTY OR LEASE	LINE, FT.		19801				N DEADE	тот	HIS WELL
TO NARREST WHILE, DRILLIEGE, FT. GONELETED. RAPPLED FOR, ON THIS LEASE, FT. 1320' 4120' ROTATY 22. AFFROX, DATE WORK WILL START' 11/10/88 PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 12 1/4" 8 5/8" 24# CIRCULATE 625' 300 sx. Class C w/2% CC 7 7/8" 5 1/2" 15.5 CIRCULATE 4120' 200 sx. Class C + 600 sx. Lit. Mud Program: 0 - 625' Drill with fresh water. 625 - 4120' Drill with brine water. BOP Program: Will install on the 8 5/8" surface casing a 10" Series 900 Type "E" Shaffer Double Hydraulic BOP and will test before drilling into the Queen formation. POST ID- N					19. 6					
### PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE				1320'						
PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE	. ELEVATIONS (Show w	hether DF, R	T, GR, etc.)		'				1 KO	
SIZE OF HOLE SIZE OF CARING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT	3956' GR									
12 1/4" 8 5/8" 24# CRCULATE 625' 300 sx. Class C w/2% CC 7 7/8" 5 1/2" 15.5 CRCULATE 4120' 200 sx. Class C + 600 sx. Lit Mud Program: 0 - 625' Drill with fresh water. 625 - 4120' Drill with brine water. BOP Program: will install on the 8 5/8" surface casing a 10" Series 900 Type "E" Shaffer Double Hydraulic BOP and will test before drilling into the Queen formation. POST ID- N L - A P I				PROPOSED CASI	NG ANI	D CEN	MENTIN	G PROG	RAM	1 21/10/00
12 1/4" 8 5/8" 24# CRCULATE 625' 300 sx. Class C w/2% CC 7 7/8" 5 1/2" 15.5 CRCULATE 4120' 200 sx. Class C + 600 sx. Lit. Mud Program:	SIZE OF HOLE	81ZE C	P CARING	WEIGHT PER F		,	e Frri Va	D.P.Dett		
Mud Program: 0 - 625' Drill with fresh water. 625 - 4120' Drill with brine water. BOP Program: Will install on the 8 5/8" surface casing a 10" Series 900 Type "E" Shaffer Double Hydraulic BOP and will test before drilling into the Queen formation. **Post ID- N L A F I		_							300 6	
Mud Program: 0 - 625' Drill with fresh water. 625 - 4120' Drill with brine water. BOP Program: Will install on the 8 5/8" surface casing a 10" Series 900 Type "E" Shaffer Double Hydraulic BOP and will test before drilling into the Queen formation. POST ID- N L L A F I										
0 - 625' Drill with fresh water. 625 - 4120' Drill with brine water. BOP Program: Will install on the 8 5/8" surface casing a 10" Series 900 Type "E" Shaffer Double Hydraulic BOP and will test before drilling into the Queen formation. FOST ID- N L L A F I -18-88 ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive cone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout		_								x. class c . ooo sx. lite
II-18-88 ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive ic. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout	0 - 625 - 4 BOP Program: Will in	625' D:	rill wit	h brine wat	er.	sing Fore	a 10 dril	" Seri ling i	ies 900 ; into the	Type "E" Shaffer Queen formation.
	ne. If proposal is to	drill or deep							present produ	- 8-88

Engineer

APPROVAL DATE .

CARLEGAD RESOURCE MAIN

TITLE

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVI:)N P. O. BOX 2088

SANTA FE, NEW MEXICO 37501

Form C-102 Revised 10-1-78

All distances must be from the outer boundaries of the Section

Operator					Lease Zall No.						
Hondo Oil & Gas Company						Work #	3. II	Well No.			
Unit Letter					. L Range		A"		16		
F	3	- 1	· ·	l'			County	199			
Actual Footage Loca			17 South		31	East	<u>E</u>	ddy			
	feet from t		arth		100	^					
Ground Level Clev.		cing Form	orth line and	Pool	198	<u>O</u> lee	et from the	West	line		
				1	 1	71	60 A	CA Dedi	cated Acreages		
3956		ayburg				rg Jacks			O Acres		
1. Outline the	e acreage	dedicate	d to the subject w	ell by	colo	ored pencil o	or hachur	e marks on the pla	it below.		
 If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? 											
☐ Yes	□ No	II ansı	wer is "yes;" type o	f cons	olida	ation					
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		01100						
Il answer is	s "no;" lis	st the ow	ners and tract desc	ription	ıs wh	aich have ec	tually ha	en consolidated	Use reverse side of		
(1119 101111 11	necessary	• /							_		
			to the well until all	intere	este l	have been a	one olida	tad (hu c==== ':	zation, unitization,		
forced-pooli	ng, or othe	rwise) or	until a non-standar	dunit	elim	inating ave	h interec	te has been accepted	ved by the Division.		
•	J.	•					n interes	is, has been appro	ived by the Division.		
· · · · · · · · · · · · · · · · · · ·											
	!	4			1			CER	TI FICATION		
		i			- !		ŀ		i		
	1	1			•			I hambu annifu i	hat the information con-		
	1				•		1	1]		
	1	88			-1			best of my knewl	rue and complete to the		
	I	18			1		1	Desir di my knewi	rage and belief.		
	1	1			!			1 Dan	15 war		
					ļ			Name			
		_ T _			- -			Ron Brown			
	i		i		ı		1	Position			
		1			1		1	Engineer			
1980					!			Company			
	l i	. •			į			Hondo Oil &	Gas Company		
	i i				ļ			Date			
	i				!			11/3/8	38 - 1		
		·			1						
	1				1			1			
	1				1			I harahu casifu	that the well location		
	1				;			1			
	!			÷	!			1	was platted from field		
	1				Ţ		.		urveys made by me or		
	1				1		- 1	í	ion, and that the same		
	1				I.			1	ect to the best of my		
	_ +							knowledge and be	igi.		
	1				Ţ				DA		
•	1				!			9/28/88	W. FRES		
	i				I		{	Date Surveyed	No. of the last of		
	,				1		ł	P.R. Ratt			
*	i				l			Registered and gu	1/3/19 =		
	1				1			1.1			
	1				1			A STEX			
								8112/ 🔨	W.		
					====	_		Certificate No.	SAULES TOWN		
330 000 00	1370 1050	1000 25	110 2640 2000	1 200	,	1000 300	ای ا				

BLOWOUT PREVENTER

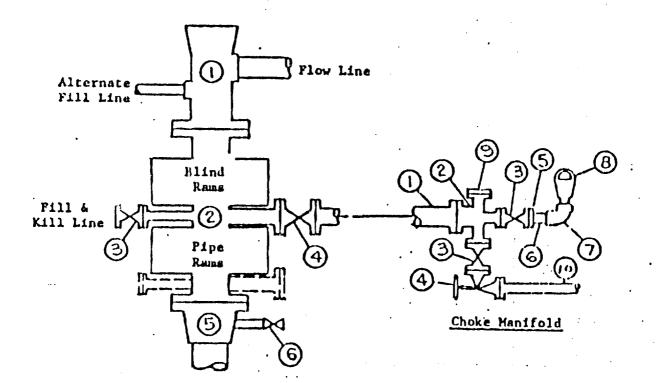


EXHIBIT "E"
Hondo Oil & Gas Company
H. E. West "A" #16
BOP Diagram

APPLICATION FOR DRILLING

HONDO OIL & GAS COMPANY H. E. WEST "A", Well No. 16

1980' FNL & 1980' FWL, Sec.3-T17S-R31E
Eddy County, New Mexico
Lease No.: LC-029426-A
(Development Well)

In conjunction with Form 9-331C, Application for Permit to Drill subject well, Hondo Oil & Gas Company submits the following items of pertinent information in accordance with BLM requirements:

- The geologic surface formation is recent Permian with quaternary alluvium and other surficial deposits.
- 2. The estimated tops of geologic markers are as follows:

Rustler Anhydrite	625 '	Grayburg	32601
Top of Salt	795 '	Premier Sand	3420'
Base of Salt	1775 <i>'</i>	San Andres	3550'
Yates	1925 ′	Lovington Sand	3665'
Seven Rivers	2235 ′	Lower'S.A. "M"	3750 ′
Queen	2850 ′	T. D.	4120'

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

Random fresh water from surface to 300' +/-, and water flow from injection wells possible at around 2800'.

Oil: Grayburg at approximately 3260' or below.

Gas: None anticipated.

- Proposed Casing Program: See Form 9-331C.
- Proposed Control Equipment: See Form 9-331C and Exhibit "E". 5.
- Mud Program: See Form 9-331C. 6.
- Auxiliary Equipment: Blowout preventer, gas detector, kelly cock, pit level monitor, flow sensors and stabbing valve.
- Testing, Logging and Coring Program: 8.

Drill Stem Tests: None planned.

T.D. - 1775' T.D. - 1775' T.D. - Surface Logging: LDT/CNL DLL RXO NGT.

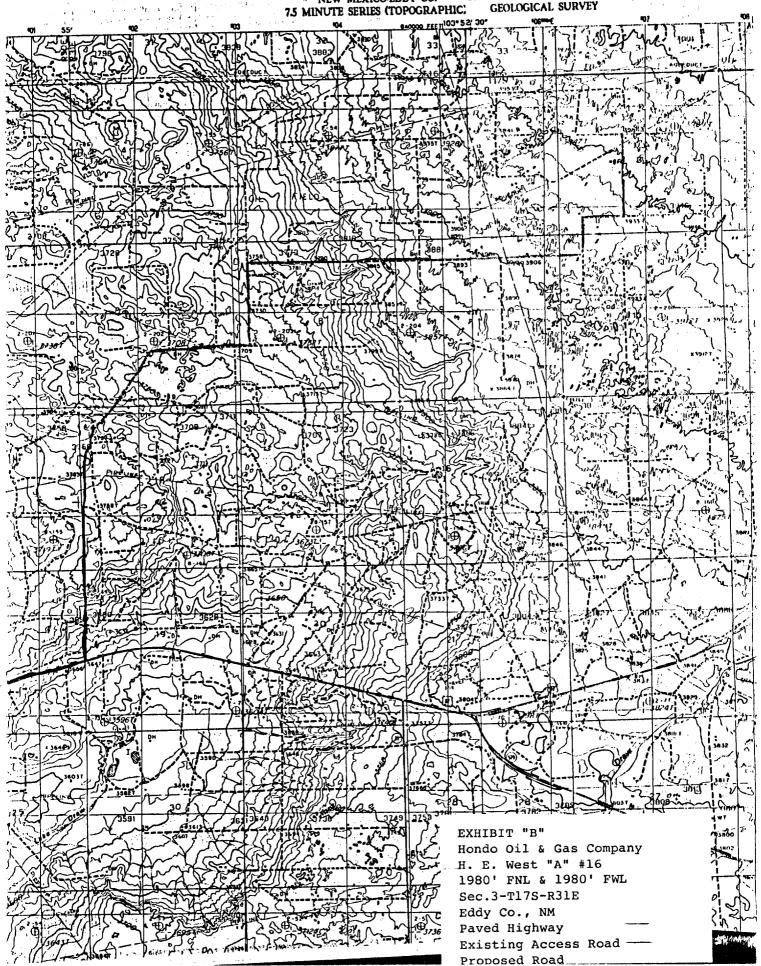
GRN

Coring: None planned.

- 9. No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered, the proposed mud program will be modified to increase the mud weight.
- Anticipated starting date: 11/10/88 Anticipated completion of drilling operations: approximately 20 days 10.

NEW MEXICO-EDDY CO.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



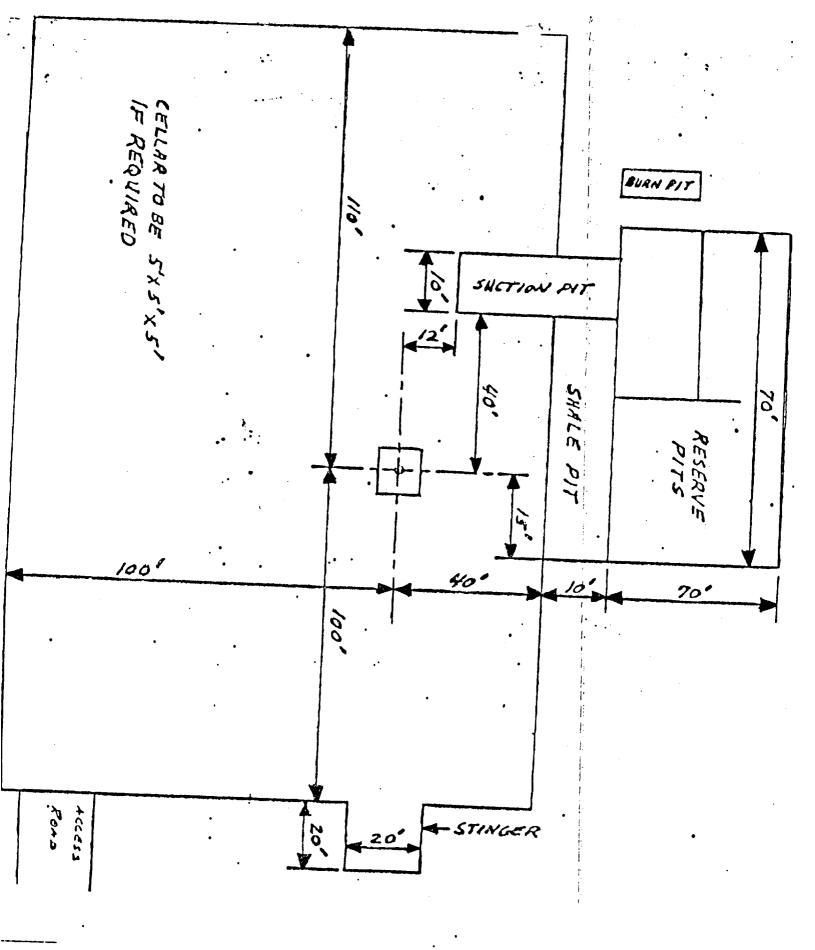


EXHIBIT "D"
Hondo Oil & Gas Company
H. E. West "A" #16
Rig Layout