SUBMIT IN TRIPLICATE.

Form approved.

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

ber instructions on		- 0		 	•
reverse side)	30	-0	39.) ,	,

	Budget Bureau No. 42-R1425.
	30-039-21639
5.	LEASE DESIGNATION AND SERIAL NO.
6.	IF INDIAN, ALLOTTEE OR TRIBE NAME
7.	UNIT AGREEMENT NAME

							ner-uou300	
APPLICATIO	N FOR PERMIT	TO DRILL,	DEEPE)	N, OR I	PLUG B	ACK	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
1a. TYPE OF WORK								
DR	ILL 🗵	DEEPEN		PL	.UG BA	CK 🗌	7. UNIT AGREEMENT N	ME
b. TYPE OF WELL								
WELL .	VELL OTHER		SING ZON		MULTIP ZONE	LE []	8. FARM OR LEASE NAM	(10
2. NAME OF OPERATOR							RUDDOCK	
	-Lewis Corporat	ion					9. WELL NO. #9	
3. ADDRESS OF OPERATOR								
Box 5	09, Levelland, leport location clearly an	Texas, 7931	36				10, FIELD AND POOL, OF	R WILDCAT
4. LOCATION OF WELL (F	deport location clearly an	d in accordance wi	th any Sta	te requirem	ents.*)		Pictured Cl.	iff ev
α	FNL,& 1750'FWL	_					11. SEC., T., R., M., OR B AND SURVEY OR AR	LK.
At proposed prod. zo	•						Sec.2,T25N,R	_
4100	1							
14. DISTANCE IN MILES	AND DIRECTION FROM NE.	AREST TOWN OR POS	T OFFICE*				12. COUNTY OR PARISH	13. STATE
18 mi	les NW, of line	irith, NM.					Rio Arriba	NM
15. DISTANCE FROM PROP LOCATION TO NEARES	OSED*		16. NO.	OF ACRES IN	LEASE		OF ACRES ASSIGNED HIS WELL	
PROPERTY OR LEASE	LINE, FT. g. unit line, if any)	990'		981.39	acres		160 196.	75
18. DISTANCE FROM PRO			19. PROI	OSED DEPTH	I	20. ROTA	BY OR CABLE TOOLS	
OR APPLIED FOR, ON TE		2650 '		100'			Rotary	
21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)	1 111					22. APPROX. DATE WOR	K WILL START*
7374'	GL						2-5-78	
23.		PROPOSED CASI	NG AND	CEMENTIN	G PROGRA	M		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	00T	SETTING	DEPTH]	QUANTITY OF CEMEN	r
12 1/4"	8 5/8"	24#		500	1		325SK	
7 7/8" 5 1/2" 14# 4100' 300SK								
	1	1	. !	_		İ		
	0", conductor p					"	5 amag 1	
	1/4",hole to 50							nt.to
	100% excess. Wo							** 55
	7/8",hole to 41		-CNL-FI	DC-DIL,	log,run	5 1/2	" casing, 14#,	K-55,
	cmt. 50% exces				20	I	5 . 1000	
Α.	SURFACE CEMENT-	· Class "A",	, 4%ge.	L, 2%CA	$^{\mathrm{CL}_2}$, 32	SSK, t	o surrace, 100	excess
В.	Production CEME	ENT- Class '	'A", 39	CACL,	300SK,	TOC-2	500', 1/4#/SK I	Flocele
		to all						
4. Run tempe	rature survey,	locate TOC-	-2500'	est.			17.11	\
5. Run CBL-V	DL-2000' to TD.	CMT. bondi	ing log	y w/GR-0	Collar	for pe	rf	1
6. Prep to c	omplete.						10	,
••• <u></u>	- L						13/12 13/1	` \ \
							130 00	16.
							I JAN M.	3
6. Prep to c IN ABOVE SPACE DESCRIBI	PROPOSED PROGRAM: If	proposal is to deep	pen or plu	g back, give	data on pr	esent prod	uctive zonevana proposed	new productive
zone. If proposal is to	drill or deepen direction	ally, give pertinent	t data on	subsurface l	ocations an	d measured	i and true vertical depths	s. Give blowout

preventer program, if any 24. 1-23-78 SIGNED

PERMIT NO. _

CONDITIONS OF APPROVAL, IF ANY:

JAN 2 5 1978

*See Instructions On Reverse Side

J. S. GEOLOGICAL SURVEY DURANGO, COLO. -

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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

		All distances must	be from the outer boundarie	s of the Section.	
Operator			Lease		Well No.
Petro-Lewi	s Corporation		Ruddock	·	9
Unit Letter	Section	Township	Range	County	
С	2	25N	3W	Rio Arriba	
Actual Footage Loc		313		••	
900		Vorth - line on		feet from the West	line
Ground Level Elev:	Producing For		Pool	,	Dedicated Acreage: 196.75
7374	Picture	Cliff	Japacito	exx	160 Acres
2. If more the interest as	nan one lease is nd royalty).	dedicated to the w	ell, outline each and	·	hereof (both as to working
dated by c Yes If answer	ommunitization, u No If an is "no," list the o	nitization, force-poo	oling.etc?		all owners been consoli-
this form it No allowat	f necessary.) ble will be assigne	d to the well until	all interests have bee	n consolidated (by com	munitization, unitization, approved by the Commis-
				I hereby c	CERTIFICATION sertify that the information con-
1750*	• 006 • — — — — — — — — — — — — — — — — — —			Name Position Company	lein is true and complete to the knowledge and belief. Sayly Unity Fruman Luis Caporation 14-77
5891.1	Sec	2	288	shown on notes of counder my sis true are knowledge Date Surveye October	certify that the well location this plat was plotted from field actual surveys made by me or supervision, and that the same and correct to the best of my and belief.
Scale: 4"=1	. Mile	. 1			Surveyof 1 Kerr Jr.

Petro-Lewis Corporation
Surface Use And Operations Plan
San Juan Basin, Tapacito Field
Southern Rocky Mountain Area
Ruddock #9
Rio Arriba, New Mexico

Present Operation

Petro-Lewis Corporation, a Colorado Corporation, is presently operating four Pictured Cliff gas wells in the Tapacito Field, Florance Lease, and two Pictured Cliff gas wells in the Tapacito Field, Ruddock Lease. These wells are located north and in a line, across Sections 5, 4, 3 of Township 25 north, Range 3 west, of the Gallup and Dakota prospects. The Ruddock #9 Well, 1750' FWL and 900' FNL of Section 2, Township 25 north, Range 3 west is located 3070' east of the Ruddock #1, a Pictured Cliff producer, which is located in Section 3, Township 25 north, Range 3 west.

Proposed Operation

We propose to drill, evaluate, and complete three Dakota gas producers (Florance #6, Florance #8, and Ruddock #7A) and three Gallup gas producers (Florance #8A, Florance #6A, and Ruddock #7), and one Pictured Cliff producer (Ruddock #9). A Central Battery for the three Ruddock wells (3) will be located at the Ruddock #7A location. All flowlines will be installed parallel along the lease roads to the designated Central Battery. A complete description of the Central Battery is attached to the Ruddock #7A. The gas sales line will run west, southwest 3070' est. and tie-in with the existing loop line located at the Ruddock #1.

Existing Roads

Attachment #3 is a scaled map showing the existing wells, roads, and location of the above. The approved stake being 900' FNL and 1750' FWL of Section 2, T25N, R3W. South of the location 1800' an existing county road runs northeast, southwest. 1500' of old ranch road extends north from the county road and has been agreed to be utilized and maintained by Petro-Lewis Corporation, and extended 300' to the location. At conclusion of drilling, lease road will be repaired of any damage, due to excessive use.

Planned Access Road

As indicated on Attachment #3, 1800' of road 10' wide will run south, southwest, as previously staked, to the county road. 1500' of said road exists and will be repaired for lease access. 300' will be cleared of approximately 10 to 15 small pinon and cedar trees. One turn-out will be located at a clearning near the end of the old existing road. Attachment #10 - surface owners release of damages.

Location Of Existing Wells

Attachment #4 is a scaled map showing all existing wells, to include the proposed Gallup and Dakota prospects.

Location Of Existing And/Or Proposed Facilities

The gas sales line runs south from the Ruddock #1, parallel to the lease road and ties-in to the main trunk line. We propose to run a flow line west, southwest 3070' est. and tie-in to the main trunk line. This flow line will be buried as per regulations and the surface restored to its natural condition - Attachment #3.

Location And Type Of Water Supply

A reliable contractor will transport water from the township of Lindrith, N.M. or from two ponds on the property of Mr. Tony Schmitz. Lease roads will be utilized. A five-hundred barrel water storage tank will be on location.

Methods For Hauling Waste Disposal

The reserve pit will be fenced until exposed fluid is dried out, at such time the pit will be covered, leveled, and restrapped to its natural condition. A trash pit (as indicated on Attachment #5) will be dug out next to the reserve pit approximately 48" deep and completely fenced in with small mesh wire. Top soil will be stored on the south side, next to the reserve pit, for respreading.

Ancillary Facilities

Not applicable, with exception of rig trailer on Attachment #5.

Well Site Layout

Attachment #5 is a scaled map showing the rig layout. The reserve pit will be double lined by a reliable contractor. Eight feet of cut will be anticipated on the north side of the location with the pit on the south side. Fill will be moved to the south side. A conture ditch will run east and west approximately thirty feet from the north cut, the length of the location. The conture ditch will be approximately two feet deep. Approximately 15 to 20 small pinon and cedar trees will be removed to clear the location. These trees lie on the northwest side of the location.

Plans For Restoration Of Surface

The reserve pit will be fenced until dried out to level and cover. The area will be reshaped, leveled and top soil respread. Reseeding will be dependent on land owner and trees will be replaced as to owner specifications. Commencement of rehabilitation estimated March 27, 1978 and completion of rehabilitation estimated June 27, 1978.

Operations Representative

The Petro-Lewis Corporation Representative, his address, and phone numbers are as follows:

> Ron Tarpley Sr. Drilling Foreman 304 Birch Levelland, Texas 79336 806-894-7376 - Office 806-894-4149 - Home

His certification statement is Attachment #6. Please contact Mr. Tarpley so that he can arrange to be present when an on-site inspection is to be made.

List Of Attachments

Attachment #1 - Permit to Drill - Form 9-331C

Attachment #2 - Survey Plat - Form C-102 Attachment #3 - Vicinity Map

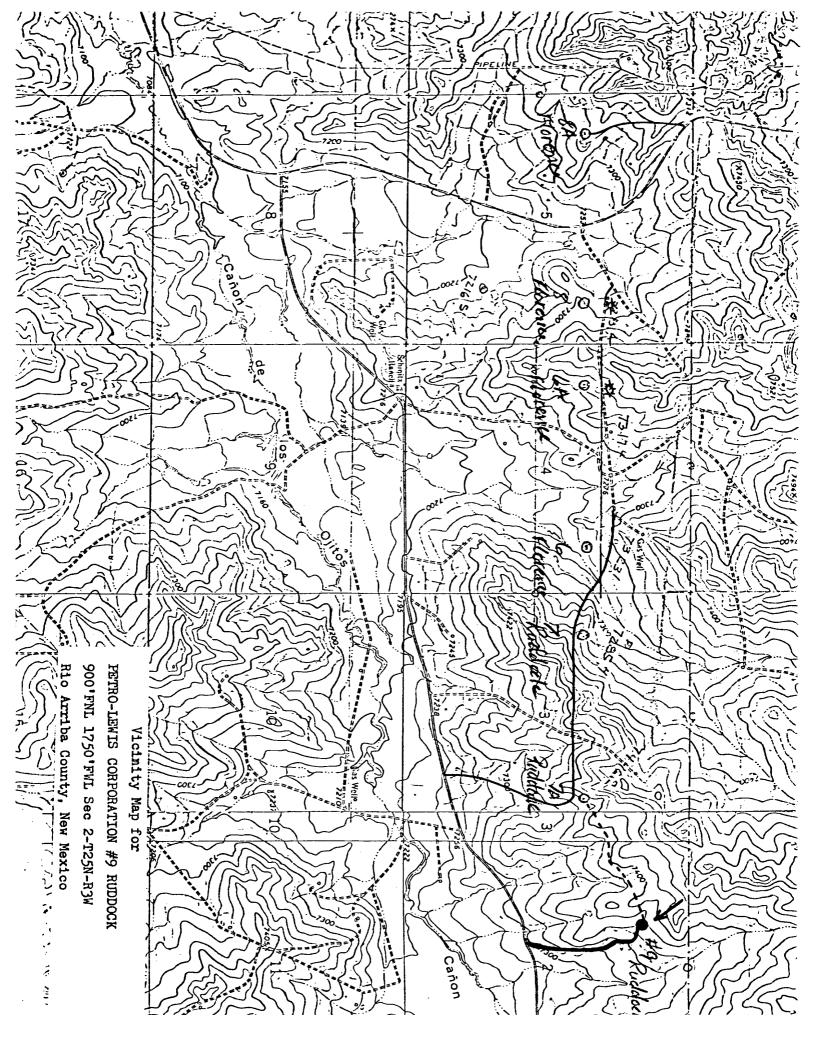
Attachment #4 - Existing Well Map

Attachment #5 - Well Site Layout

Attachment #6 - Certification Statement Attachment #7 - Safety Equipment Layout

Attachment #8 - Rig Inventory

Attachment #9 - Well Plan Outline Attachment #10- Surface Owners Release



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LEGEND

- O LOCATION
- OIL WELL
- # GAS WELL
- DRY HOLE

PETRO-LEWIS CORPORATION
RUDDOCK#9

TAPACITO FIELD
RIO ARRIBA COUNTY, NEW MEXICO

NO ANNIBA COUNTY, NEW MEXICO

SCALE 2"= ! NILE

MAP 7

FOUR CORNERS DRILLING CO.

P. O. BOX 1067 702 E. BROADWAY FARMINGTON, NEW MEXICO 87401

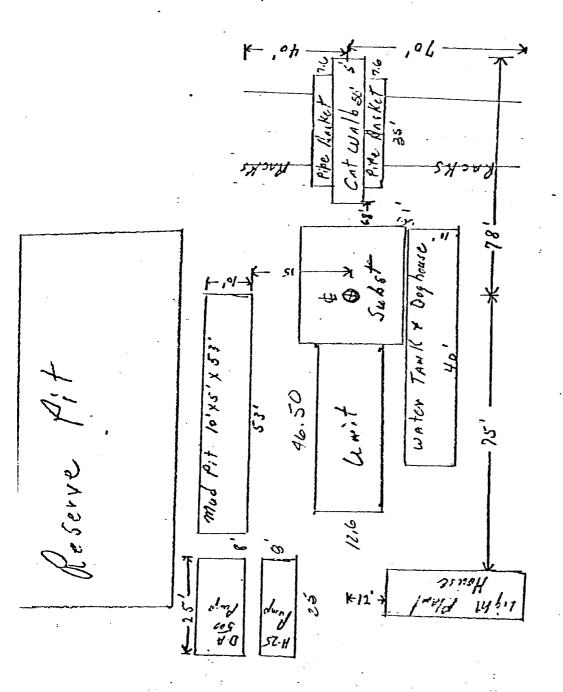
TELEPHONE: (505) 327-1122

PETRO-LEWIS CORPORATION

RUDDOCK#9

RIO ARRIBA, NEW MEXICO

ATTACHMENT #5

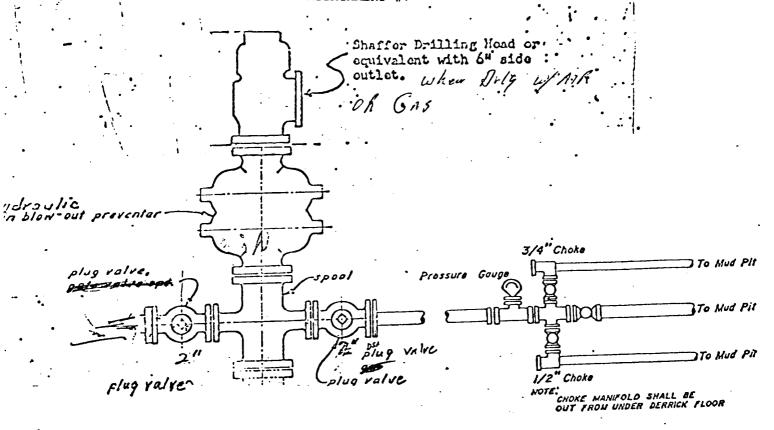


Petro-Lewis Corporation
Surface Use And Operations Plan
San Juan Basin, Tapacito Field
Southern Rocky Mountain Area
Ruddock #9
Rio Arriba, New Mexico

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site 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 here-in, will be performed by Petro-Lewis Corporation and its contractors, and subcontractors, in conformity with this plan and the terms and conditions under which it is approved.

/-/7-78

SR. DRLG. FOREMAN



PETRO-LEWIS CORPORATION RUDDOCK#9 RIO ARRIBA, NEW MEXICO.

FOUR CORNERS DRILLING CO.

P.O. BOX 1067 657 WILD HORSE DRIVE FARMINGTON, NEW MEXICO 87401

TELEPHONE: (505) 327-1122

DRILLING RIG INVENTORY

RIG NO. #3
ATTACHMENT #8

DERRICK: CARDWELL 108' 270,000 HOOK LOAD CAPACITY

SUBSTRUCTURE: CARDWELL 9'6" X 12'6" TELESCOPING 440,000 GROSS

DRAWNORKS: CARDWELL KB-500 SELF PROPELLED BACK IN 600 HP.

AUXILIARY BRAKE: PARKERSBURG 22" SINGLE

ENGINES: 2 GENERAL MOTORS 8V71N DIESEL 318 HP EACH.

MUD PUMPS: EMSCO D-500 16 POWERED BY 2 GM 8V71NT ENGINES 350 HP EACH

AUXILIARY MUD PUMP: NATIONAL C-250 POWERED BY 2 GM 671 ENGINES 160 HP EACH

DESILTER: PIONEER 8 CONE W/THOMPSON 5" X 6" PUMP WITH ELECTRIC MOTOR

MUD TANK: 1 5' X 10' X 50' 450 BBL. WITH 4 COMPARTMENTS

WATER STORAGE: 1 10' X 10' X 30' 520 BARREL TANK

GENERATORS: 1 EACH 100 KW AC

ROTARY TABLE: OIL WELL 2021

TRAVELING BLOCK: IDECO UTB 160-430 SHORTY 160 TON

SWIVEL: NATIONAL TYPE F 150 TON

BLOWOUT PREVENTOR: 10" 3000 HYDRAULIC

SPECIAL TOOLS:

TONG TORQUE INDICATOR

RATE OF PENETRATION RECORDER

SHALE SHAKER

TRAILOR HOUSE

TWO WAY RADIO

NESSARY DRILL PIPE AND DRILL COLLARS TO MEET BID SPECIFICATIONS

PETRO-LEWIS CORPORATION RUDDOCK#9 RIO ARRIBA, NEW MEXICO Well: Ruddock #9

ock #9 Co

County & State: Rio Arriba, New Mexico

990 FNL, 1750 FWL, Location: Sec. 2, 25N-3W

Elevation:

7374G1

	Location: Sec. 2	, 25N-3W	Eleve	ation:						
					Cas	sing	Frac. Gradient	Formation Press. Gradient	Muc	1 1
epth	Formation Tops & Type	Drilling Problems	Type of Formation Evaluation	Hole Size (in.)	Size (in.)	Depth (ft.)	(DAd)	Od For Od Pre	Wgt (PPG)	Ту
				124	8 5/8	500			8.5-	F1 Wt
				124	0 3/0	300			9.0	
			500 - TD GR-CNL-FDC DIL							
	·									
		·	·							
3										77-
	Fruitland-3785'	Poss. Lost Circ.								Fi Wi Lk Sc
4	Pic. Cliffs-3935'			7 7/8	5½	4100		< 8.5	8.8- 9.2	ic
						-				
						-				

WELL NAME: Ru	iddock #9	FIELD:	Papacito	DATE: _1/1	8/78
AFE NO:	ELEV.:	GRD:	KB:	PROPOSED TD:	4100'
LOCATION (SURF	.): 900 FNL	1750 FWL	OF SEC.:	2 _T 25N	R 3W
COUNTY: Rio A	Arriba STATE:	New Mexico	SPACING:		
LOCATION (BOTT	OM HOLE):			<u> </u>	
		GEOLOGICAL E	STIMATES		
ZONE	TOP THICKNESS	CONTENT	ZONE	TOP THICKNESS	CONTENT
Fruitland Pict. Cliffs		Gas			
CORING NONE	NO. TYPE	HORIZON	INTERVAL FROM-	FOOTAGE	REMARKS
			WATER SHIT	T OFF TESTS	
-	ORILL STEM TESTS				RIZON
NUMBER HORI NONE	IZON NUMBER H	ORIZON NU	MBER HORIZON	NONE NONE	THE PART OF THE PA
WELL SURVEYS	(list types by code deflection (2), ca (6), geolograph (7 and name of that t	liper (3), to be a property of the contract of	emperature (4),	electrical (5),	radioactive
DEPTH POINTS	TYPE		HOLE SIZE	<u>1</u>	REMARKS
O - TD O - TD 500 - TD 500 - TD O - 3000 2000 - TD	(2) Deflect (7) Geology (6) GR-CNL- (5) DIL (4) Tempera (10) CBL-VDI	aph 1 FDC 7 ture I	2½ & 7 7/8 2½ & 7 7/8 7/8 7/8 nside casing	Locate	ry 500'

CASING, CENTRALIZERS & SCRATCHERS

List type of string by code letters, i.e., Conductor (C), Surface (S), Intermediate (I), Production (P), Liner (L), Perforations (PP)

			& Collar	Float Shoe		NONE	00	(6) 3800-4100	(P) Production
				Guide Shoe		NONE		(5) 0-500	(S) Surface
REMARKS	יבן	PMENT entrifuge	OTHER ACCESSORY EQUIPMENT (Such as degassers, mud centrifuge float collars, etc specify)	OTHER ACCES Such as degasse float collars,	(Su	SCRATCHER NO. INTERVAL		CENTRALIZERS INTERVAL FROM-TO	TYPE OF STRING
									•
			4100	STC	K-55	14	4.887	<u>ក</u> ្	(P) 0-4100
	-		500	STC	X-55	24	7.972	8 5/8	(s) 0-500
REMARKS	WT IN MUD 1000 lbs.	WT IN AIR	AMT	THREAD	GRADE	WT. FER	DRIFT	[8	TYPE OF STRINGS & INTERVAL (FT.) FROM-TO

(P) 0-4100 Light Class "A"	(S) 0-500 Class "A" Class "A"	TYPE OF STRING & INTERVAL (FT.) FROM-TO TYPE MIX
-	4	X GEL. %
		LBS/SK SALT %
ယ #	2 2 *	CaC12
13.1 15.6	14.1 15.6	SLURRY WEIGHT PPG
1.69 1.18	1.55 1.18	SLURRY YIELD CF/SKX
(150) 253 (150) 177	(150) 232 (175) 206	TOTAL AMT. REQUIRED SKX/CF
TOC-2500	Circ.	FILL UP
0		ВНТ
7 7/8	121/4	SIZE
50% Ex. Add %#/sk. Flocele to all cement	100% Ex.	REMARKS

DRILLING PROCEDURE

Ruddock #9

- 1. 0-500' Drill 12½" hole using fresh water-gel lime spud mud.
 Run and cement 8 5/8" OD surface casing. Pressure
 test and drill out after 18 hours.
- 2. 500-4100' Drill 7 7/8" hole. Pressure test to 300 psi after drilling out shoe. Use fresh water-gel low solids mud. Pre-treat with lost circulation material before drilling Fruitland and lower water to ±10 cc before drilling Pictured Cliffs. (See attached mud program). Circulate and condition hole. Run OH logs. Run and cement production casing.