3/4"

24.

# LUBMIT IN TRIPLICATE\*

Form approved, Budget Burcau No. 42-R1425.

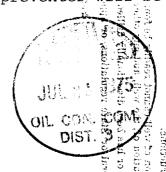
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(MR 1900)	UNITED				30-043-20175
	Rag A	SURV			NM 25298
APPLICA	Ke Entry of an	RILL, I	DEEPEN, OR PLUG E	ACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1a. TYPE OF WORK	Old well	EPEN I	PLUG BA	CK 🗆	7. UNIT AGREEMENT NAME
b. TYPE OF WELL OIL WELL	PAA.	,	SINGLE X MULTIP	rr 🗆	S. FARM OR LEASH NAME
2. NAME OF OPERA	V			¥.	Federal 12
ILON EXPLOR.  3. ADDRESS OF OPERAT	TOR	o Mir	nerals Management	inc	#1
501 Airpor  4. LOCATION OF WELL At SULLAGE	t Dr., Suite 210, (Report location clearly and in acc	Farmi	ngton, N. Mex. (th any State requirements.*)	3 <b>7401</b>	Wildcat DK
460 FSL, 3	330 FWL, Sec. 12,	T19N,	R4W	ି । ଜୁନ	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
At proposed prod.					Sec. 12, T19N, R4W
	ES AND SERECTION FROM NEAREST T		T OFFICE*	ž	12. COUNTY OR PARISH 13. STATE Sandoval N.M.
15. DISTANCE FROM PER LOCATION TO NEAR		EXICO	16. NO. OF ACRES IN LEASE	17. NO.	DE ACRES ASSIGNED HIS WELL
	drlg. unit line, if any) 330		480		40
18. DISTANCE FROM P TO NEAREST WELL OR APPLIED FOR, ON	L, DRILLING, COMPLETED,		19. PROPOSED DEPTH 4500		RY OR CABLE TOOLS
21. ELEVATIONS (Show	whether DF, RT, GR, etc.)		<u> </u>	÷	22. APPROX. DATE WORK WILL START
	6882 GR				4 July 25, 1975
23.	PROPO	SED CASI	NG AND CEMENTING PROGR.	AM	[음·숲대 - 참 ## - #8 i]

WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT SIZE OF CASING SIZE OF HOLE 200 sx 10 3/4" 200' 15" 40.5#

4500'

33 Filon Exploration Corporation (Operator) proposed to drill well to 4500' to test Dakota formation. Completion to be determined from logs. A Series 900 (3000 psi WP) blowout preventer will be used.



300-500 sx

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout pre

venter program, if any.		
SIGNED J. anoffell	Area Manager	gement Incoars July 21, 1975
(This space for Federal or State office use)		
PERMIT NO.	APPROVAL DATE	
APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	TITLE	DATE:

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

Operator			Le	ease			Well No.
Filon Exploration			. [	Filen-Feder	ral 12		,
Unit' Letter				Range County			
M	12	19N		14W	Sar	ndoval	
Actual Footage Loc	ation of Well:						
460	feet from the S	outh	line and	330	feet from the	West	line
Ground Level Elev.	Producing For	mation	Po	lool			edicated Acreage:
6698	Dako	ota		Wildca	at		40 Acres
. 1. Outline th	e acreage dedica	ted to the su	bject well	by colored penc	il or hachur	e marks on the	
2. If more th interest ar	nan one lease is nd royalty).	dedicated to	the well, o	outline each and	identify the	e ownership the	reof (both as to working
3. If more that dated by c	an one lease of d ommunitization, u	ifferent owners	ship is ded ce-pooling.	licated to the we	ll, have the	e interests of a	ll owners been consoli-
Yes	No If an	nswer is "yes;	' type of c	onsolidation			
If answer i	is "no;" list the f necessary.)	owners and tra	act descrip	tions which have	e actually b	een consolidate	ed. (Use reverse side of
No allowab	ole will be assigne	ed to the well	until all in	terests have bee	n consolida	ated (by commu	unitization, unitization,
forced-pool	ing, or otherwise)	or until a non-	standard u	nit. eliminating s	such interes	sts has been a	pproved by the Commis-
sion.				,	Juon Interes	sts, has been a	pproved by the Commis-
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	+					J. A.	enolfield
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		į	•	: 		Area Man	ager
	1			i		Company Minerals Date	Management Inc.
	1	Sec		1		July 21	, 1975
		12		<del></del>			
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<b> </b>		İ			I		
-3301				l	İ	Date Surveyed	NOW THE THE
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				1	1		essional Engineer
ΙΪ́ο	1			1	į	and/or Land Sur	rwegot And
770					Ì	Fred B. K	err Jr.
						Certificate No.	
0 330 660 9	0 1320 1650 1980	2310 2640	2000	1500 1000	500 O	3950	MONEY COMMENT

# 9. Location of Airstrip

None

# 10. Diagram of Well Location

See attached diagram

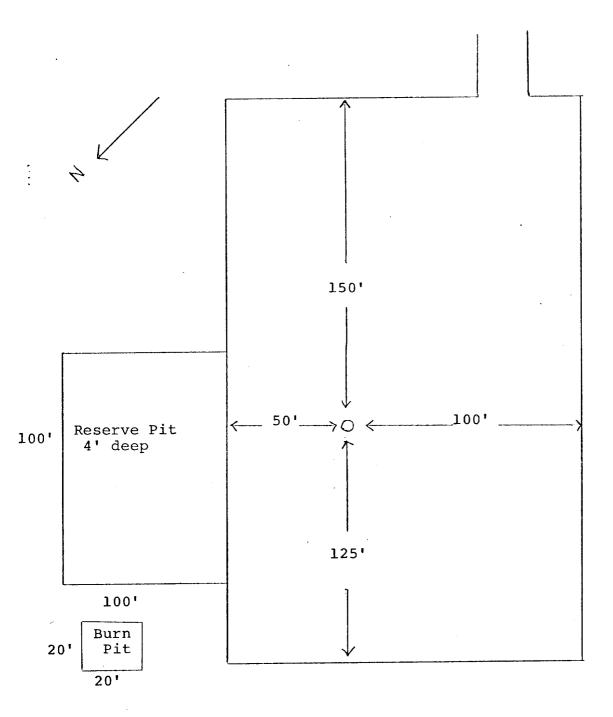
# 11. Plans for Restoration of Surface

The surface will be restored and reseeded as directed by Bureau of Land Management.

# 12. Impact on the Environment

Impact on the environment will be minimal. The access road and well location is sparsely vegetated and no trees will be disturbed.



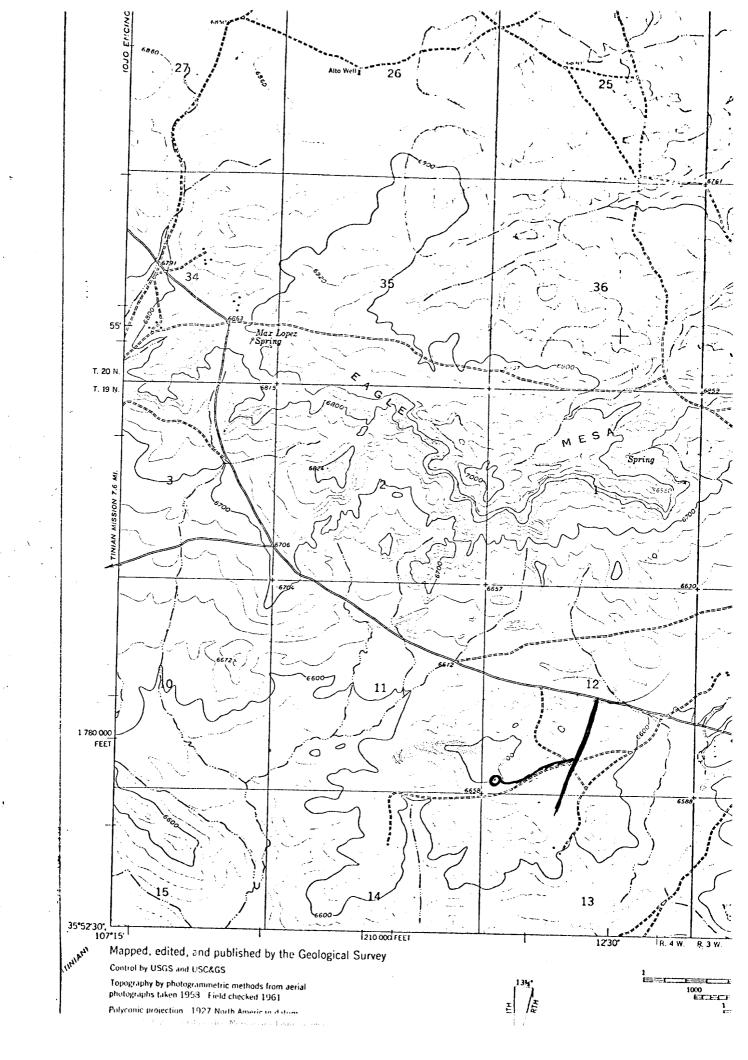


• DIAGRAM OF WELL LOCATION

# MMI BLOWOUT PREVENTER DIAGRAM (HYDRAULIC)

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# MINERALS MANAGEMENT INC.

TELEPHONE (505) 327-4441
501 AIRPORT DRIVE—PETROLEUM CENTER BUILDING
SUITE 210
FARMINGTON, NEW MEXICO 87401

DEVELOPMENT PLAN FOR SURFACE USE

FILON EXPLORATION CORPORATION

FEDERAL 12 WELL NO. 1

460 FSL, 330 FWL, SECTION 12, T19N, R4W

SANDOVAL COUNTY, NEW MEXICO

# 1. Existing Roads

The main road in the area is the improved road west of Johnson's Trading Post toward Ojo Encino School (shown on the attached map).

# 2. Planned Access Road

The trail from the main road in the south central part of Section 12 will be improved and approximately 1000 feet of new road will be constructed to the wellsite.

# 3. Location of Existing Wells

None

# 4. Lateral Roads

Shown on the attached topographic map.

# 5. Location of Tank Batteries and Flowlines

Will be initially located on the drill pad approximately 150 feet from the well if production is encountered.

### 6. Water Supply

Water will be hauled to the wellsite. Nearby water at Johnson's Trading Post will be utilized if possible.

# 7. Method of Handling Waste Disposal

Waste will be buried in the reserve pit on completion of the well. The reserve pit will be backfilled. Toilet facilities will be provided.

### 8. Location of Camp.

No camp will be used.

# CHEMICAL & GEOLOGICAL LABORATORIES

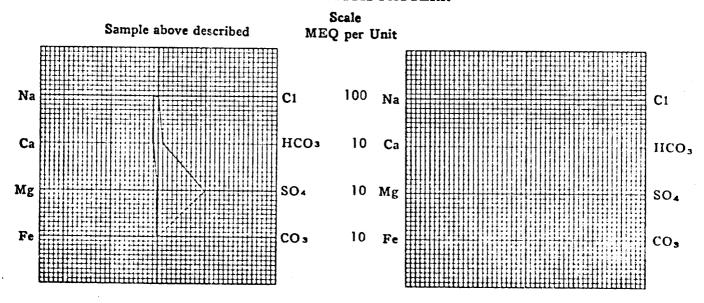
P. O. Box 2794 Casper, Wyoming

3 1070

# WATER ANALYSIS REPORT

OPERATOR Filon Exploration Co.  WELL NO. Federal 12-1  FIELD  COUNTY  STATE	LOCATIONEntrada INTERVAL
REMARKS & CONCLUSIONS: No other information	ation given.
Cations         mg/1         meq/1           Sodium         2784         121.11           Potassium         21         0.54           Lithium         -           Calcium         108         5.39           Magnesium         14         1.15           Iron         -         -	Anions         mg/1         meq/1           Sulfate         4875         101.40           Chloride         730         20.59           Carbonate         -         -           Bicarbonate         378         6.20           Hydroxide         -         -           Hydrogen sulfide         -         -
Total Cations	Specific resistance @ 68°F.:  Observed 0.97 ohm-meters Calculated 1.05 ohm-meters

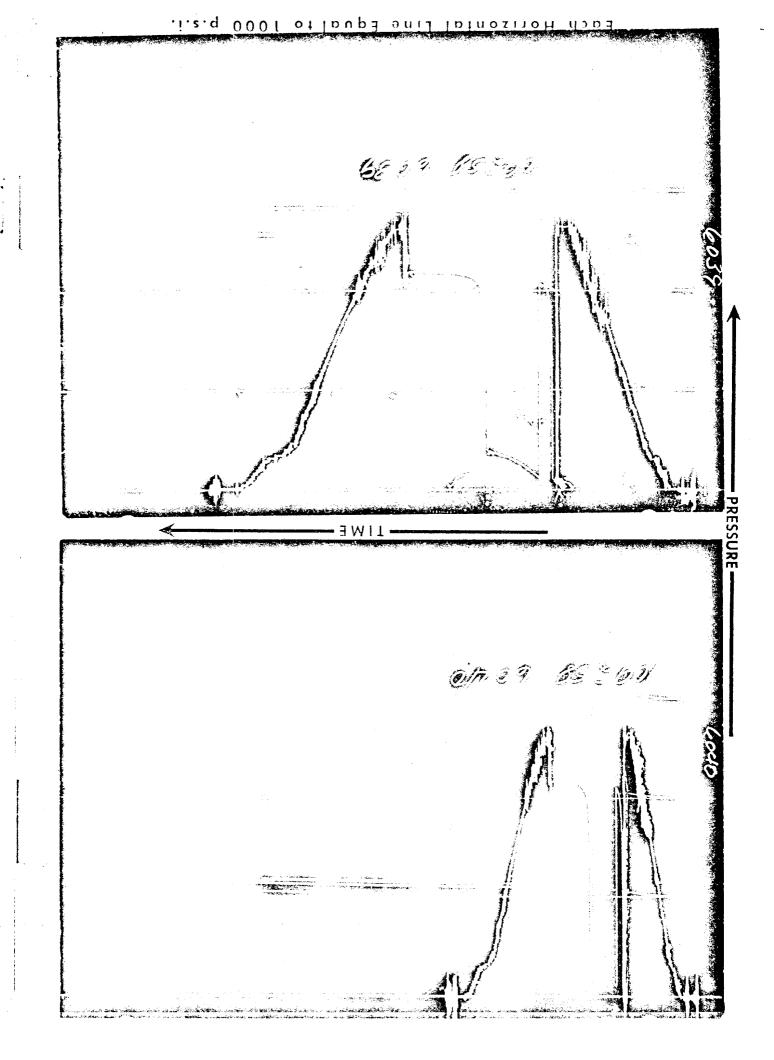
### WATER ANALYSIS PATTERN



(Na value in above graphs includes Na, K, and Li)

NOTE: Mg/1=Milligrams per liter Meq/1= Milligram equivalents per liter

Sodium chloride equivalent=by Dunlap & Hawthorne calculation from components



# AFFIDAVIT

This is to certify that I, J. H. Borgerding furnished copies of New Mexico Oil Conservation Commission Form C-109 requesting discovery allowable for the Filon Exploration Corporation Federal 12-1, Section 12, T19N, R4W, Sandoval Co., New Mexico to operators within one mile of that well by mailing copies of same by certified U. S. mail to the following:

F.M. Beardsley

Mountain Fuel Supply Co.

Petro-Lewis Corporation

Union Oil Co.

P.O. Box 9031 Denver, Colo.

P.O. Box 11368 Salt Lake City, Utah

Nack Group c/o Kirby Petroleum Co. P.O. Box 1745 Houston, Texas 77001

P.O. Box 2250 Denver, Colo. 80201

P.O. Box 2620 Casper, Wyo. 82601

Subscribed and sworn to before me this 8th day of October, 1975.

My Commission Expires: Upsil 27,

Janice Spaulding

County of

Natropa

Notary Public State of

Wyomine

My Commission Expires Apr. 29, 197

# **LUBMIT IN TRIPLICATE\***

Form approved. Budget Bureau No. 42-R. 425.

# UNITED STATES

(Other Instructions on reverse side)

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15	SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	тос	SETTING	DEPTH		QUANTI	CY OF CEME	NT	
Filon Exploration Corporation (Operator) proposes to drill deeper to a depth of 5750'. Well was previously approved as a 4500' Dakota test.  Well to be deepened to test Entrada formation.  IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.  Area Manager  Minerals Management Inc. July 30, 1975  (This space for Pederal or State office use)  PERMIT NO.  APPROVAL DATE  TITLE  DATE  DATE  DATE  DATE  DATE	15	10 3/4	40.5		200		250	) sx		g. 14-14	13.
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Area Manager Minerals Management Inc. July 30, 1975  (This space for Federal or State office use)  PERMIT NO.  APPROVAL DATE  CONDITIONS OF APPROVAL, IF ANY:  APPROVAL, IF ANY:	zone. If proposal is to	drill or deepen directions	lly, give pertinent	t data o	n subsurface	locations a	nd measure	d and true ve	rtical depi	ths. Give	blowout
TITLE  OATE  (This space for Federal or State office use)  PERMIT NO.  APPROVAL DATE  APPROVAL DATE  CONDITIONS OF APPROVAL, IF ANY:		<u>, , , , , , , , , , , , , , , , , , , </u>	11/	A	rea Ma	nager					
APPROVAL DATE  APPROVAL DATE  CONDITIONS OF APPROVAL, IF ANY:	SIGNED J.	hool of	rell m	М	ineral	s Mana	gemen	t Inc.	July	30,	1975
APPROVED BY	(This space for Fede	eral or State office use)					14 5				
CONDITIONS OF APPROVAL, IF ANY:	PERMIT NO.				APPROVAL DA	ATE	ic			- 13 g g	
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Okal Maria Charles of the Control of	CONDITIONS OF APPROV	VAL, IF ANY :					F	李 松 岩			
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Form 9-331 (May 1963)	UNITED STA DEPARTMENT OF TH	TES E INTERIOR	SUBMIT IN TRIP (Other Instruction verse side)	LICATE*	Form appi Budget Bu 5. LEASE DESIGNATI	reau No. 42-R14
	GEOLOGICAL S				NM 25298	
SUNDE	RY NOTICES AND R	FPORTS ON	WFIIS		6. IF INDIAN, ALLOT	TEE OR TRIBE NAM
(Do not use this for U	m for proposals to drill or to de se "APPLICATION FOR PERMIT	eepen or plug back term for such proposition	o a different reservo	ir.		
OIL GAS WELL 2. NAME OF OPERATOR	OTHER				7. UNIT AGREEMENT	
FILON EXPLORATI	ON CORPORATION C	c/o Minera	ls Managem	ent Tr	8. FARM OR LEASE Y	eral 12
3. ADDRESS OF OPERATOR					9. WELL NO.	erar iz
501 Airport Dr.  4. LOCATION OF WELL (Repo See also space 17 below.) At surface	, Suite 210, Fart location clearly and in accord	armington,	New Mexic requirements.	0 874		OR WILDCAT
460 FSL, 330 F	WL Sec. 12 T19N	1. R4W 🥼	4.00	\ .  -	Wildcat 11. sec., T., B., M., o	R BLK, AND
·			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	• \	SURVEY OR AR	EA
14. PERMIT NO.	15. ELEVATIONS (SI	how whether D. RY, a		,	Sec. 12, TI	L9N, R4W
		6710 RT	130 PM	7	Sandoval	N. Mex
16.	Check Appropriate Box To	+	CN SY	<i></i>	· · · · · · · · · · · · · · · · · · ·	IN. Mex
	CE OF INTENTION TO:	indicale (4dibin	or I wice, repo	ort, or Ot		
TEST WATER SHUT-OFF	PULL OR ALTER CASIN			auguasus.	NT REPORT OF:	
FRACTURE TREAT	MULTIPLE COMPLETE	·	WATER SHUT-OFF FRACTURE TREATME	NT -	REPAIRING ALTERING	
SHOOT OR ACIDIZE	ABANDON*		SHOOTING OR ACIDI		ABANDONM	11
REPAIR WELL	CHANGE PLANS		(Other) Surfa	ace Ca	sing	
(Other)  17. DESCRIBE PROPOSED OR COM	IPLETED OPERATIONS (Clearly sta	te all partinent date	Completion or	Recomplet	f multiple completion ion Report and Log i	n on Well form.)
proposed work. If wel nent to this work.) *	IPLETED OPERATIONS (Clearly sta l is directionally drilled, give su	absurface locations a	ns, and give pertine nd measured and tri	nt dates, in ue vertical	iciuding estimated d depths for all marke	ate of starting ar ers and zones per
Set at 207'.	8-75. Drill to Cement with 250 rculate cement.	207'. Rai sx Class	n 194' 10 3 "N" w/2% (	3/4" 4 CaCl.	0.5# ST&C Plug down	casing. 12:20 A
, 23 , 3 . 01	redrace cement.					
					* 	P.
						.`.
				7. <b></b>		
				4		
						,
18. I hereby certify that the f	oregoing is true and correct	7222	lanacas			<del></del>
SIGNED	enoy shell.	Area N <del>Miners Pittle</del>	lanager <del>ls Manager</del>	ont T	nc DATE 7-20	-75
(This space for Federal or	State office use)		Hamagen	CIIC I.	110. 1-23	73

		(
orm 9-331 May 1963)	UNITED STATES DEPARTMENT OF THE INTERI GEOLOGICAL SURVEY	NM 25298
SU (Do not use th	NDRY NOTICES AND REPORTS ( distorm for proposals to drill or to deepen or plug t Use "APPLICATION FOR PERMIT—" for such p	ON WELLS  sack to a different reservoir.  roposals.)  7. UNIT AGREEMENT NAME
OIL GAS WELL WELL CAS WELL 2. NAME OF OPERATOR	, OTHER	8. FARM OR LEASE NAME
3. ADDRESS OF OPERA		
Althoriby  1. Location of Well See also space 17 At surface  460' FSL,	Suite 210, Farmington (Report location clearly and in accordance with any below.)  330' FWL Sec. 12, T19N, Report of the second	all del
14. PERMIT NO.	15. ELEVATIONS (Show whether DI	
16.	Check Appropriate Box To Indicate 1	Nature of Notice, Report, or Other Data
TEST WATER SHU FRACTURE TREAT SHOOT OF ACIDIZ REPAIR WELL (Other)  17. DESCRIBE PROPOSE proposed work, nent to this wor	MULTIPLE COMPLETE  ABANDON*  CHANGE PLANS  D OR COMPLETED OPERATIONS (Clearly state all pertine  If well is directionally drilled, give subsurface local	WATER SHUT-OFF  FRACTURE TREATMENT SHOOTING OR ACIDIZING  (Other)  (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)  at details, and give pertinent dates, including estimated date of starting actions and measured and true vertical depths for all markers and zones per
8-12-75	Run 7" Production ca stages, w/stage coll	ar set @ 3569'.
	followed b 2nd Stage-400 sx 50-	-50 PozMix, 4% Gel, 1/8# sx D-29 y 75 sx neat w/0.6% D-60. 50 PozMix, 4% Gel, 1/8# sx D-29 follo eat w/0.6% D-60. ment.

18. I hereby certify that the foregoing is true and correct SIGNED	Area Manager TITLE Minerals Management I	полте 8-13-75
(This space for Federal or State office use)	TIPLE	DATE
APPROVED RY	TITUD	

### TABULATION OF DEVIATION TESTS

### FILON EXPLORATION CORPORATION

FEDERAL 12 WELL NO. 1

SECTION 12, T19N, R4W

SANDOVAL COUNTY, NEW MEXICO

DEPTH	DEVIATION
207' 743' 1244' 2008' 2522' 3105' 3805' 4375' 5479' 5735'	3/4° 3/4° 1/4° 1° 3/4° 3/4° 1° 3/4° 1°
2122	Τ-

### AFFIDAVIT

THIS IS TO CERTIFY that the above deviation tests are correct to the best of my knowledge.

J. Arnold Snell Area Manager

Minerals Management Inc.

SUBSCRIBED AND SWORN TO before me this 18thday of Leptember, 1975.

My Commission Expires:

Library 2, 1978

NOTARY PUBLIC



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ſ	managamin and the commence of the contract of			
Ì	HO. OF COPIES RECEIVED			
- }	DISTRIBUTION	NEW MEXICO OIL CO	DISERVATION COMMISSION	Form C-104
	SANTA FE	REQUEST I	FOR ALLOWABLE	Supersedes Old C-104 and C-110 Effective 1-1-65
	FILE /		AND	Filective 1-1-92
	U.S.G.S.	AUTHORIZATION TO TRA	NSPORT OIL AND NATUR	AL GAS
	LAND OFFICE			$\rho$ $\Gamma$
	TEAMEROPTED OIL	Contide	tel	15 1 ·
	TRANSPORTER GAS	Continue	num	10.
	OPERATOR /			
	PROBATION OFFICE			
1.	Operator			
	ETTON EYDLODATTON	CORPORATION c/o Mine	rale Management	Tng
	Address	CORPORATION C/O MINE	erars management	IIIC a
	Enl Nirmort Dr.	wite 210 Parmington	Nov. Mourico	
	Reason(s) for filing (Check proper box)	Suite 210, Farmingtor	Other (Please explain)	,
	New Well	Change in Transporter of:	(1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	
	F	· —		
	Recompletion		一門	
	Change in Ownership	Casinghead Gas Conden	sale	
	If all a set a superable since some			
	If change of ownership give name and address of previous owner			
•	•			
H.	DESCRIPTION OF WELL AND	LEASE		
	Lease Name	Well No. Pool Name, Including Fo		1 <del></del>
	Federal 12	1 Un-named-En	state, F	ederal or Fee Federal NM25298
	Location	I Juli-Hamed Hi	U.I.AUA	TEGELAT INDICATO
		on - West	160	From TheSouth
	Unit Letter M : 33	Feet From The West Line	e and 400 reet	rom the
	12	mship 19N Range	AW , NMPM, S	andown County
	Line of Section 12 Tow	mship 19N Range	4W , NMPM, S	andoval County
		on on our and stampinat CA		
III.	Name of Authorized Transporter of Oil	TER OF OIL AND NATURAL GA	Address (Give address to which	approved copy of this form is to be sent)
	Name of Authorized Transporter of Off	LA bi Condensate [	1134.666   6100 444.666	
	Permian Corporatio	n	Box 1183, Housto	n, Texas 77001 approved copy of this form is to be sent)
	Name of Authorized Transporter of Cas	inghead Gas or Dry Gas	Address (live address to which	approved Edpy of this form is to be sent;
	If well produces oil or liquids,	Unit Sec. Twp. P.ge.	Is gas actually connected?	When
	give location of tanks. Temp.	M 12 19N 4W	No	
		h that from any other lease or pool,	give comminging order number	
5 V .	COMPLETION DATA	Oil Well Gas Well	New Well Workover Doep	en Plug Back Same Restv. Diff. Restv.
	Designate Type of Completio	on = (X)		
	Date Spudded	Date Compl. Ready to Prod.	X Total Depth	P.B.T.D.
	•		5725	5574
	7-28-75	8-25-75 Name of Producing Formation	5735 Top Oil/Gas Pay	Tubing Depth
	Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	ļ	
	6710 RT	Entrada	5483	2521 Depth Casing Shoe
	Perforations			·
	5483'-5493' w/2	SPF		5724
		TUBING, CASING, AND	CEMENTING RECORD	
	HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
	15"	10 3/4"	207	250 sx (circ)
		7"	5724	692 (2 stage)
	8 3/4"	2 7/8"	2521	_
		1/8	i land la l	
	L			
V.		OR ALLOWABLE (Test must be a)	fter recovery of total volum <b>e of l</b> o pih or be for full 24 hours)	ad oil and must be equal to or exceed top allow
	OIL WELL		Producing Method (Flow, pump,	pas lift. etc.)
	Date First New Oil Run To Tanks	Date of Test	Figure in Marine It tom, bamb;	and the second second
	9-16-75 Length of Test	9-17-75 Tubing Pressure	Pump	Choke Size
	Length of Test	Tubing Pressure	Casing Pressure	Chort Size College
	1. 24	25		OPEN S
	Actual Prod. During Test	Oil-Bbls.	Water-Bbis.	Gai-MCF
	4207	. 97	4300	1/10 8 10
	4397	J /		1 13 m. 1
	CAC WELL			( SV 3/
	Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condendates
				I Our Our
		Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
	Testing Method (pitot, back pr.)	I donn't Liangua ( Punt-yn )		
			1	
VI.	CERTIFICATE OF COMPLIAN	CE	OIL CONSE	SEP 191975
				SEL TO 1010
	I hereby certify that the rules and	regulations of the Oil Conservation	APPROVED	:
	Commission have been complied v	with and that the information given	BY Criginal Signed	b, A. R. Mendrick
	above is true and complete to the	best of my knowledge and belief.		
		رز اثر (م	TITLE	SUPERVISOR DIST. 43

Area Manager

September 18, 1975

(Title)

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition. Course Corne C-1614 must be filed for each pool in multiply

onfidential SUBMIT IN DUPLICATE\* Form 9-330 UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY WELL COMPLETION OR RECOMPLETION REPORT AND LOG\* 1a. TYPE OF WELL: WELL X Other b. TYPE OF COMPLETION: WORK OVER DEEP-Other . NEW X FILON EXPLORATION CORPORATION C/O Minerals Management Ir 3. ADDRESS OF OPERATOR 501 Airport Dr. Suite 210. Farmington, New Mexico 4. Location of Well (Report location clearly and in accordance with any State requirements). 460' FSL, 330' FWL, SEC. 12, T19N, R4W At top prod. interval reported below At total depth DATE ISSUED 14. PERMIT NO. 17. DATE COMPL. (Ready to prod.) 16. DATE T.D. REACHED 15. DATE SPUDDED

21. PLUG, BACK T.D., ND & TVD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

Induction Laterolog-Density-Gamma Ray

Entrada

WEIGHT, LB./FT.

40.5

TOP (MD)

31. PERFORATION RECORD (Interval, size and number)

HOURS TESTED

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

CASING PRESSURE

5483'-5493' w/2SPF

5483'-5493'

CASING SIZE

10 3/4"

DATE FIRST PRODUCTION

FLOW, TUBING PRESS.

SIGNED

No gas

9-16-75

26. TYPE ELECTRIC AND OTHER LOGS RUN

	onse	der	na								
				SUBMIT	IN DU	PLICATE	•		Form at	pproved. Bureau No. 45 (2355.5.	
UN	ITÉD S	STAI	E5			(See other	r in-			ION AND STREET, NO.	
TME	NT OF	THE	INIE	RIOR		reverse si	ide)				
	OGICAL						,	M 252	98 N. ALLO	TTEE OR TRIBE NAME	
J OR	RECOM	PLETIC	ON REF	ORT A	ND	LOG*				·	
	GAS WELL			er				7. UNIT AGREEMENT NAME			
L X	WELL L.J	DR	Y Oth		: .						
EEP-	PLUG D	DIFF.		ier				S. FARM OF			
								Feder	al l	.2	
RPOR	ATION	:/o_N	linera	ls Man	ager	nent_	Inc	шэ			
								10. FIELD	AND POO	L, OR WILDCAT	
te_2	10, Fai	rming	ton,	<u>New_Me</u> tate requirer	XIC(	, :************************************		Wilde	at_		
							No. Mark	11. SEC., T	R., M.,	OR BLOCK AND SURVEY	
	' FWL,	SEC.	. 12,	TIDE	2.11	٠.	· , ,			ATT	
below						r (%)		SEC.	12,	T19N, R4W	
Ĭ.	, 7, 7 , 2, 1, 4, 1	<u> </u>			ATE IS	SUED	<del>- (1)</del>	12 COUNT	Y OR	13. STATE	
		14. PE	RMIT NO.	ì	٠.	Q *	\. <u>`</u>	Sando	7	N.M	
P.D.A.GWE	D   17. DATE	COMPL.	(Ready to p	rod.)   18.	ELEVAT	TONS (DF.	RNB,	EZ, GR, ETC.)	• 19.	ELEV. CASINGHEAD	
. REACHE	ł			}		3671	K	r		6698	
75 PLUG, BAC	K T.D., MD & 7	25-7	HOW MAN	PLE COMPL.,		DRILLI		ROTARY			
557/	1							Rot	ary 	25. WAS DIRECTIONAL SURVEY MADE	
HIS COMP	LETION-TOP,	BOTTOM,	NAME (MD	TVD IAD)	*.			- 2		NO NO	
ntra	<del>l</del> a									-	
GS RUN									27.	WAS WELL COBED	
	rolog-	Danci	i+v-Ga	mma Ra	У				<u>·                                    </u>	YES	
Late	CASI	NG REC	OKD (Reho	t use ellings	set in	rell)	NTING	RECORD		AMOUNT FULLED	
LB./FT.	DEPTH SE	T (MD)	_	E SIZE							
5	20	7	1.5			250_s 692_s		(circ.) (2 stag			
	572	4	_ 8	3/4"		092 5	<u></u>	( a o c a	J J		
	_		-								
LIN	ER RECORD	<del></del>				30.		TUBING F		PACKER SET (MD)	
	TOM (MD)		CEMENT*	SCREEN (M	(D)	SIZE		DEPTH SET		PACKER SET (MD)	
					-	2 7/	/8	252	<u> </u>		
		<u> </u>		1 00	A C	D. SHOT.	FRA	CTURE, CE	JENT S	QUEEZE, ETC.	
al, size a	nd number)			DEPTH IN				AMOUNT AND	KIND C	F MATERIAL USED	
	and the second second second second			1		493'		250 g	allo	ns acid	
ann		Ç									
SPF		Á				<u>:</u>					
							<u> </u>				
		( Flore : r =	PRO!	OUCTION	e and t	ype of pur	np)	1	WELL ST	ATUS (Producing or	
	Producing										
Pum	p-Reda	E 1 P336	ob'N. FOR	OII-BBL		GAS-M	CF.	WATER		GAS-OIL RATIO	
	_	TE	ST PERIOD	97		0			300	O CIL GRAVITY-API (COER.)	
RESSURE	CALCULATED		BBL.	GAS-	-MCF.		WAT	ER—BBL.		32 (est)	
	<del>&gt;</del>	-	97		)	<u>:</u>	L	4300	VITNESS		
sed for fu	el, vented, etc	c.)				•		D.	Barn	es	

\*(See Instructions and Spaces for Additional Data on Reverse Side)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

TITLE Minerals Management Inc. DATE 9-18-75

Area Manager

# INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a 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. See instructions on licens 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

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 for the local surveys is a state of the consult local state.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertirent to such interval.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

6

	CORE #1 5488	- 2 , ; = 1	Dem #1 5/78	FORMATION	37. SUMMARY OF PORO SHOW ALL IMPORT DEPTH INTERVAL 1
The second of th	-5538' (		л 2000 -	TOP	POROUS ZONES: MPORTANT ZONES OF PORTANT TENES OF PORTANT
3 15.03. MX5855	') Rec	FSI 90 mir 165' mud. 79-105 psi FSIP 2184	) .   	воттом	MARY OF POROUS ZONES: show all important zones of porosity and contents thereof; depth interval tested, cushion used, time tool open, flowing
	o 0	IHH 2633 psi FHH 2633 psi, lst flow ISIP 2105 psi, 2nd flow 105-368 psi	TOT IE MIN OND O	DESCRIPTION, CONTENTS, ETC.	CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING AND SHUT-IN PRESSURES, AND RECOVERIES
Dakota Morrison Summerville Entrada	Graneros	Cliffhouse Point Looko i Mancos Gallup		N A V B	38. GEOLO
4490 4618 5452 5483	324	450 ut 2255 2402	MEAS, DEPTH	TOP	GEOLOGIC MARKERS
Defevoration of the control of the c		4. (1. (1. (1. (1. (1. (1. (1. (1. (1. (1	TRUE VERT. DEPTH	A.	

### NEW MEXICO OIL CONSERVATION COMMISSION APPLICATION FOR DISCOVERY ALLOWABLE AND CREATION OF A NEW POOL

NCTE: This form is to be filed and attachments made in accordance with the provisions of Rule 509. If discovery is claimed for more than one zone, separate forms must be filed for each.

Operator Filon Exploration	on Corpora	tion	Address	501	Airp	ort Driv	e, Su	ite 2	10
c/o Minerals Mar			Well No.			on New M			
			1		-	Sandoval			
Federal 12 Well Localion			<del>-</del>			<u>vanav</u> , uz			
Unit Letter M ;_	46	0	Feet fro	om The	Sout	.h Line ar	nd3	330	Feet
From the West Line of Se Suggested Pool Names (List in order of	preference)	, Township	19	_N	, F	Ronge 4 W	1		МАЬМ
ı. Eagle Mesa	2.					3.	In	04 5	C 104
Name of Producing Formation	Perforations							iling Form	C-104
Entrada Was "Affidayit of Discovery" Previousi	5483-5	493 ive Date of Filin	9	Date Well	was Spuc	ided		.8-75 pl. Heady (	lo Prod.
For This well in this Pool?				7-	28-7	'5		25-75	
Total Depth Plugged Bo	ick Depth	Depth Casing S	hoe	Tubing De	*	Elevat		OF, RKB, R	(T, etc.)
5735 5! Oil Well Potential (Test to be taken onl	574	5724		252	21		6710	RT	
97 Bbls, Ot! Fer Day Ba		Bbls In 24		430	) O <sub>Bb</sub>	ls Water Per Da	v Based O	4300	Bbls
			Gas		Re	eda Subme	ersibl	le nk.	
In 24 Hours; Gas Production TO THIS DISC	otion During Test:	ast and present	oil or gas	producing	ireas and	d zones whether	this disco		sed on horizon.
tal or vertical separation):	*	Petro-Le	wis BC	ling E	eder	al No. 5		Currently F	
Pool Name	Name of Producing		1 _	346		5376		Ye	•
Southwest Media  Horizontal Distance and Direction from	Entrada Subject Discovery		Vertic	ai Distance	from Sui	oject Discovery	Zone to P		
Necrest Well in this Pool 4.5 miles to East-Se		٠.	NO E	roduc	ing i	ntervals	s othe	er tha	n dis-
			cove	ry zor	ne	- formation and	. 1 .		
NEAREST COMPARABLE PRODUCTION	(Includes past an	d present oil or		Pay *		Bottom of Pay		Currently F	Producing?
Pool Name Southwest Media - E	ntrada			346		5376	5		Yes
Horizontal Distance and Direction from	Subject Discovery	Well to the Near	est Well i	n this Comp	arable P	ool			
4.5 miles to East -	Southeast								
Is "County Deep" Discovery Allowable	If Yes, Give Nan	ne, Location, and	d Depth of	Next Deep	est Oil F	Production in	alcongi		
Requested for Subject Discovery Well?					·	- / A * * * * * * * * * * * * * * * * * *		$-\!$	
							ે જો	1 6	
Is the Subject Well Requested for of NO NO		Yes, Name all S	ich Forma	tions		OCT OIL	70 12.	JW.	
NO NO						-11	301/3	5.	
LIST ALL OPERATORS OWNING LEAS	ES WITHIN ONE M	U F OF THIS W	FII (Atta	ch additions	ıl sheet	if necessary	DIG		
LIST ALL OPERATORS OWNING LEAST		ILL OI IIIIO	1			ADDRE	ss		
	11 64-			P.O. Box 9031, Denver, Colorado					
F.M. Beardsley			P.0	). Box	903.	L, Denve	r, Co	lorado	84111
Mountain Fuel Suppl	y Co.		P.0	. Box	1130	68, Salt	Lake	City,	
11									
Nack Group c/o Kirby Petroleum Co.			P.C	Box.	1745	Housto	on Tex	kas, 7	7001
Petro-Lewis Corporation			PC	Box	2250	), Denve	r. Co	lorado	80201
•									
Union Oil Co.			P.C	). Box	262(	), Caspe	г муот	ning	_¤∠¤U⊥
Attach evidence that all of the above ope of the subject well as a discovery well. Commission of such intent in writing wit	- eligible to receive	s a discondit an	OWIDIE, I	iust notity i	ny of sai he appro	d operators who priate District (	intends to Office and	o object to the Santa I	the designation Fe Office of the
Remorks: The top and bottom of pay (*) as indicated above are the perforations in Petro-Lewis Boling Federal No. 5, NE/4 NW/4-22-19N-3W									

CERTIFICATION

Thereby certify that all rules and regulations of the New Mexico Oil Conservation Commission have been compiled with, with respect to the subject well, and that it is my opinion that a bone fide discovery of a hitherto unknown common source of oil supply has been made in said well. I further certify that the discovery allowable for the subject well, if authorized, will be produced from the subject zone in this well only. Further, that the information given herein and attached hereto is frue and complete to the best of my knowledge and belief.

C. H. Borgerding

Petroloum Theinser

Position

October 8, 1975

# NEW MEXICO OIL CONSERVATION COMMISSION

	SANTA FE /	REQUEST FOR ALLOWABLE  Supersedes Old C-104 and C-					
	U.S.G.S.		AND  AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS				
	LAND OFFICE OIL /	_	TANDER OF THE HAT DRALL	3NJ			
	TRANSPORTER GAS	Mary v					
	OPERATOR /						
1.	Operator Operator						
	Petro-Lewis Corpora	tion					
	601 Austin Street,	Levelland, Texas 791	336				
	Reason(s) for filing (Check proper box	Change In Transporter of:	Other (Please explain)				
	Recompletion	OII Dry G	January 1, 197	ership effective			
	Change In Ownership X	Casinghead Gas Conde	ensate				
	If change of ownership give name and address of previous owner	Filon Exploration (	Corporation, 2216 Uni	ited Bank Center.			
H.	DESCRIPTION OF WELL AND	1700 Broadway, Dent	ver, Colorado 80202	,			
	Lease Name	Well No. Pool Name, Including F	<b>!</b>	Ecase No.			
	Federal 12	lUndesignate	ed-Entrada State, Federa	Federal NM 25298			
	Unit Letter M; 3	30 Feet From The West Lin	ne and 460 Feet From T	TheSouth			
	Line of Section 12 To	wnship 19N Range	4W , NMPM, Sande	County			
ITT	DESIGNATION OF TRANSFOR		ande	)Vd.L			
IRE.	Name of Authorized Transporter of Oil		Address (Give address to which approv	ed copy of this form is to be sent)			
	Permian Corporatio	n	Box 1183, Houston, Address (Give address to which approv	Texas 77001			
	If well produces oil or liquids, give location of tanks.	Unit   Sec.   Twp.   Rge.   M   12   19N   4W	Is gas actually connected? Whe	rn			
		th that from any other lease or pool,					
W.	COMPLETION DATA	Oil Well Gas Well	New Well Workover Deepen	Plug Back   Same Res'v. Diff. Res'v.			
	Designate Type of Completic	Date Compl. Ready to Prod.	The sal Franch				
		Date Compt. Reday to Floa.	Total Depth	P.B.T.D.			
	Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oll/Gas Pay	Tubing Depth			
	Perforations			Depth Casing Shoe			
		TUBING, CASING, ANI	D CEMENTING RECORD				
	HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT			
ν.	TEST DATA AND REQUEST FO		fter recovery of total volume of load oil a	nd must be equal to or exceed top allow-			
	OIL WELL Date First New Oil Run To Tanks	able for this de	pth or be for full 24 hours)   Producing Method (Flow, pump, gas lift	, etc.)			
	Length of Test	Tubing Pressure	Casing Proseure	Choke Size			
	Actual Prod. During Test	Oil-Bbls.	Water - Bble.	Gas - MCF			
1							
,	GAS WELL Actual Prod. Test-MCF/D	Length of Tost	Bbls. Condensate/MMCF	Gravity of Condensate			
	Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Proheure (Shut-in)	Choke Size			
Ί.	CERTIFICATE OF COMPLIANC	Œ	<u>.</u>	TION COMMISSION			
	I hereby certify that the rules and r	egulations of the Oil Conservation	APPROVED JAN 14	· ; , 19			
	Commission have been complied wabove is true and complete to the	ith and that the information given	gy Original Shanin	i le Sendrick			
	•		TITLE SUPPRIVISOR DL	SP. #3			
	I. amold	1 01	This form is to be filed in co	•			
_	J. Winod	Lick (	If this is a request for allows	able for a newly drilled or deepened led by a tabulation of the deviation			
_	Area Manager/Minera		tests taken on the well in accord	ance with MULE 111. t be filled out completely for allow-			
•	grad January 13, 1976		able on new and recompleted wel	is. III, and VI for changes of owner,			
•	January 13, 1976	e)	well name or number, or transporte	r, or other such change of condition.			
			Separate Forms C-104 must completed wells.	be filed for each pool in multiply			

# OIL CONSERVATION COMMISSION P. O. BOX 2088

# SANTA FE, NEW MEXICO 87501

February 3, 1976



Minerals Management Inc. P. O. Box 3440 Casper, Wyoming 82601

Attention: Mr. John Luchetta

Administrative Order 7X-46

Gentlemen:

Reference is made to your letter of Movember 12, 1975, requesting an exception to the tubing depth-setting requirements of Rule 107 (d) for three Filon wells in the San Juan Basin. No description of the wells nor actual tubing setting depth was given.

After examination of our files on Filon's wells in Sandoval County, New Mexico, as near as we can tell the Federal 12 Well No. 1 located in Unit M of Section 12, Township 19 Dorth, Range 4 West, Sandoval County, is your only producer in which the tubing is set more than 250 feet above the perforations. The well file indicates the tubing is set at 2521 feet while the uppermost nerforation is at 5433 feet. We assume that the fluid level is still standing relatively high in the casing and that the pump is still set at or near its original depth.

Filon Exploration Corporation is therefore hereby authorized an exception to Rule 107 (d) for the above-described Federal 12 Well No. 1.

Very truly yours,

JOE D. RAMEY Secretary-Director

JDR/DSN/og

cc: Oil Conservation Commission - Aztec

U. S. Geological Survey - Farmington

N. Mex. Oil & Gas Engineering Committee - Hobbs

# OIL CONSERVATION COMMISSION

P. O. BCZ 2098

# SANTA "E. NEW MEXICO 87501



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# ENERGY AND MINERALS DEPARTMENT

# OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (505) 334-6178

June 13, 1979

Mr. Ron Tarpley Petro-Lewis Corporation P. O. Box 509 Levelland, Texas 79336

Re: Designation of Transporter

Dear Mr. Tarpley:

Your approved forms C-104 on the below listed wells designate Permian Corporation as the transporter of oil. However, transporter records indicate that Continental Oil Company is transporting the oil from these wells without authorization from this office.

Please file C-104's designating Continental Oil Company as transporter immediately:

Miller Federal #722	G-22-19N-3W
Navajo <b>13 C</b> #1	D-13-19N-4W
Navajo 14 C #1	A-14-19N-4W
Federal 11 C #1	P-17-19N-4W
Federal 12 #1	M-12-19N-4W

If you have any questions, contact this office.

Yours truly,

Frank T. Chavez Deputy Inspector

FTC:no

# **JNITED STATES** DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

			Budget Bureau No. 42-R1424
	٦.	LEASE	· · · · · · · · · · · · · · · · · · ·
	N	M 25298- /A	<u> </u>
	6.	IF INDIAN, ALLO	TTEE OR TRIBE NAME
	7.	UNIT AGREEME	NT NAME
nt		FARM OR LEASE	* RIABAT
	!	ederal 12-C	
		WELL NO.	
	9.		
		FIELD OR WILDO	2AT 814845
		agle Mesa	
			OR BLK. AND SURVEY OR
7	1	AREA	ON BLN. AND SURVEY OR
,	s	ec. 12, T19	N R4W
	10	COUNTY OF BAR	2011 45
	S	andoval	New Mexico
		API NO.	
.,			
	15.	ELEVATIONS; (S	HOW DF, KDB, AND WD)
		710 PT	·
	(NC	OTE: Report results	of multiple completion or zone
		change on For	rrn <b>9–</b> 330.)

SUNDRY	NOTICES	AND	REPORTS	ON	WELLS
o not use this foreservoir. Use Form	rm for proposals	to drill o	or to deepen or p	lug bac	k to a differe

1. oil  $\mathbf{X}$ well well other 2. NAME OF OPERATOR Petro-Lewis Corporation 3. ADDRESS OF OPERATOR P.O. Box 937 Levelland, TX 79336 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 1 below.)460' FSL, 330 FWL, Sec. 12, T19N, R4W AT SURFACE: AT TOP PROD. INTERVAL: AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL PULL OR ALTER CASING MULTIPLE COMPLETE CHANGE ZONES ABANDON\* (other) Convert to SWD

SUBSEQUENT REPORT OF:

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*\*

Produced water will be disposed of through 2 7/8" tubing with a packer set at + 5250'. The perforated interval is from 5493' to 5483' (Entrada) with a plugged back total depth of 5574'.

Inert fluid will be placed in the tubing-casing annulus. The water will disposed of into the same formation it was produced from.

SWD 244

Subsurface Safety Valve: Manu. and Type .....

approved 6-8-82



	_
18. I hereby certify that the foregoing is true and correct	
18. I hereby certify that the foregoing is true and correct	
	0.400.404
SIGNED TITLE James F. SIECK DATE	9/28/81
SIGNED James F. Sinck DATE	

L Dis space for Federal or State office use)

APPROVED B CONDITIONS

> For JAMES F. SIMS DISTRICT ENGINEER

DATE ....

See Instructions on Reverse Side

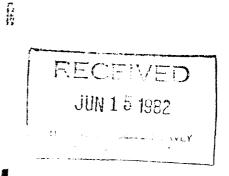


Petro-Lewis Tower 717 17th Street, P.O. Box 2250 Denver, Colorado 80201-2250 303/620-1000

Oil and Gas Producers

June 9, 1982

Office of the Secretary Minerals Management Service Drawer 600 Farmington, NM 87401



RE: Correspondence of April 1, 1982 Application to convert Federal 12-C #1

### Gentlemen:

In reference to the application to convert well No. 1 Federal 12-C from an oil producer to a salt water disposal well. The application has an incorrect lease number for this well. The correct lease number should be NM-25298-A. The attached map indicates that the tank battery is located on the same lease as the proposed disposal well.

A corrected sundry notice and an application for the salt water disposal well are included. If you have any questions, please contact me at (303) 620-2647.

Your cooperation in this matter is greatly appreciated.

Sincerely,

PETRO-LEWIS CORPORATION

Steven M. King Petroleum Engineer

SMK/ag

attachments



# UNITED STATES DEPARTMENT OF THE INTÉRIOR

UNITED STATES	5. LEASE ( 5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5
DEPARTMENT OF THE INTÉRIOR	↑ 1 1 T T T T T H H H H H H H H H H H H H
GEOLOGICAL SURVEY	N-72.12.98
GEOLOGICAL SURVET	6. IFINDIAN, ALLOTTEE ORTRIBE NAME
	- <u> </u>
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9–331–C for such proposals.)	<u> </u>
Total vol., osci form 3-331-0 for such proposals.)	8. FARM OR LEASE NAME
1. oil gas other	FEDERAL PO-
well Well U other	9. WELL NO. 25 54 1 54
2. NAME OF OPERATOR	
PETRO-LEWIS CORPORATION	
3. ADDRESS OF OPERATOR	EAGLE MESA 6 - EAGLE
P.O. BOX 937 LEVELLAND, TX 79336	11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	1 ADEA BEAL HAR
below.)	Sec. 12, 7719N, R4W 2007
AT SURFACE: 460' FSL, 330'FWL'	12. COUNTY OR PARISH 13. STATE
AT TOP PROD. INTERVAL:	Condorrol CTELL B F B F
AT TOTAL DEPTH:	
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE.	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
REPORT, OR OTHER DATA	
	15. ELEVATIONS (SHOW DE KOB AND WD)
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	6711' KB< \$\bar{\bar{\bar{\bar{\bar{\bar{\bar{\bar
TEST WATER SHUT-OFF	
FRACTURE TREAT	- And And And And And And And And And And
SHOOT OR ACIDIZE RECE	VED   TESE   E ASST
REPAIR WELL	(NOTE: Report results of multiple completion or zone
MULTIPLE COMPLETE	1000 change of Form 9-330.) = 1
CHANCE ZONEC	그 그 그 그 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이
ARANDONE	Mu Surveyo    트립스트 5 영국증용 #
(other) SWD CONVERSION FARMING!O	N. M. A. FEBER E SERVE
	e eris a Aria
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state	all pertinent details, and give pertinent dates,
including estimated date of starting any proposed work. If well is di measured and true vertical depths for all markers and zones pertinen	
The second secon	
COMVERT SIRTECT WELL PROMOTE TROUBLE TO COLO	<u>i ili ili de Barbera de Abrila</u>
CONVERT SUBJECT WELL FROM OIL PRODUCER TO SALT	P WATER DISPOSAL WELL(see Attachments
SWD 244 CEPTINE	
^ /APITUPI	A Company of the Comp
approved   KLULITLE 6-8-82   IIN 28198	sopro quanti di propositi di pr
6-8-82 JUN 2 3 198 OIL CON. CON.	Tapitamain ista yattaka tara dalaha tara dalaha tara dalaha tara dalaha tara dalaha tara dalaha tara dalaha taranga o taranga o
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	T - T - 동생활성의 필환 의원교회
Subsurface Safety Valve: Manu. and Type	real and leading
18. I hereby certify that the foregoing is true and correct	မွားများရှိသည်။ မြောင်းရှိသည်။ မြောင်းရှိသည်။
SIGNED TITLE District Engi:	neer ** ** ** ** ** ** ** ** ** ** ** **
ADDROVED	DATE
(This space for Federal or State office	
Total Kelly	医多类素的 医氯化合物
APPROVED BY	DATE
E HALAMO W OULC	
JOY JAMES F. SIMS  DISTRICT ENGINEER  NMOCC	
DISTRICT ENGINEER	

### PETRO-LEWIS CORPORATION

### EXHIBIT I

RE: NTL-2B

1. Well Name: Federal 12-C #1

Location: \$60' FSL, 330' FWL of Section 12, T19N, R4W

Sandoval County, New Mexico

Lease No.: NM-25298 - A

2. Source of injection fluid: Produced water from Entrada formation in adjacent wells.

Daily injection volume: 700 BWIPD

3. Injection interval: 5,483' - 5,493' (Entrada perforations) NOTE: Source of fluid to be injected and the interval of injection are the same formation (Entrada)

- 4. Quality of injection fluid: See attached Water Analysis Report
- 5. Depth and areal extent of usable water: Unknown
- 6. Surface csg: 10-3/4" @.207' cmtd w/sx., 15" hole TOC @ surface (circulated)

  Production csg: 7' @ 5,724' cmtd w/692 sx., 8-3/4" hole TOC @ 1,000' (calculated)
- 7. PBTD: 5,574' TD: 5,735'
- 8. Data on Proposed Operation: Fluid will be injected through 2-7/8" plastic coated tubing and a Baker Lokset packer set at 5,400'. 8.5 ppg. inhibitive fluid will be placed in the annulus above the packer. Anticipated injection pressure is 500 psi.
- 9. System Monitoring: A pressure gauge will monitor annular pressure. Should the annular pressure show an increase, the well would be shut-in immediately. These pressure gauges will be monitored weekly.



# CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794 Casper, Wyoming

# WATER ANALYSIS REPORT

			<u> </u>	
ildcat indoval ew Mexico		LOCATION FORMATION INTERVAL SAMPLE FROM	Entrada  Production (9-1	-4W 14-75)
CLUSIONS: We are t believe this is	unable to m probably E	ake definite corn	celation at this	time
	meq/1 115.77 0.74 6.09 0.74	Anions  Sulfate	mg/1 - 4700 - 680 - 0 - 390	<u>m∞/1;</u> 97.76 19.18
ms/1	8393 5959 7.6	Total	3°F.:	123.34
	mg/1 2661 29 Cation:	Mexico   M	mg/1 meq/1 Anions  CLUSIONS: We are unable to make definite correct believe this is probably Entrada water.  mg/1 meq/1 Anions  2661 115.77 Sulfate  29 0.74 Chloride  Carbonate  General Hydroxide  Specific resistance @ 6	LOCATION Section 12-19N-  indoval FORMATION Entrada  indoval SAMPLE FROM Production (9-)  CLUSIONS: We are unable to make definite correlation at this to believe this is probably Entrada water.     Media

# WATER ANALYSIS PATTERN

# Scale Sample above described MEQ per Unit 50 $C_1$ CaНСОз Ca HCO<sub>3</sub> Mg SOZ Mg SO4 Fc 5 СОз Fe $CO_3$

(Na value in above graphs includes Na, E, and Li)

KOTE: Mg/1=Milligrana per liter Men/1= Milligram equivalents per liter

Sodium chloride aquivalent=by Dunian & Hawkhole calculate.

	NO. OF COPIES RECEIVED  DISTRIBUTION  SANTA FE		CONSERVATION COMMISSION	Form C-104 Supersedes Old C-104 and C-110
$\vdash$	FILE U.S.G.S. LAND OFFICE	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	AND ANSPORT OIL AND NATURA	Effective 1-1-65
	TRANSPORTER OIL / GAS OPERATOR 3			
1.	PRORATION OFFICE Operator Petro-Lewis Corpora	tion		
		elland, Texas 7933	36 Other (Please explain)	)
	Reason(s) for filing (Check proper box)  New We!!  Recompletion	Change in Transporter of: Oil XX Dry C		
	Change in Ownership  f change of ownership give name and address of previous owner	Casinghed Gus Cond.	ensate	
	DESCRIPTION OF WELL AND I	LEASE   Well No.   Pool Name, Including	Formation Kind of	Lease No.
	Federal 12	1 Eagle Mesa -	- Entrada State, F	Federal NM-2529
	1.2	O Feet From The West L	ine and460 Feet :	From The South Sandoval County
. l	DESIGNATION OF TRANSPORT	TER OF OIL AND NATURAL G	AS	
	Name of Authorized Transporter of Oil  Continental Oil Com Name of Authorized Transporter of Cas	or Condensate	Address (Give address to which	approved copy of this form is to be sent)  nver, (Colorado 80202 approved copy of this form is to be sent)
	N/A  If well produces oil or liquids,	Unit Sec. Twp. Rge.	Is gas actually connected?	When
	give location of tanks.  If this production is commingled with	M 12 19N 4W th that from any other lease or poo	No 1, give commingling order number	r:
<b>v</b> .	COMPLETION DATA  Designate Type of Completic	on - (X)   Oil Well   Gas Well	New Well Workover Deep	en Plug Back Same Res'v. Diff. Res'v.
	Date Spudded	Date Compl. Ready to Prod.	Total Depth  Top Oil/Gas Pay	P.B.T.D. Tubing Depth
	Elevations (DF, RKB, RT, GR, etc.)  Perforations	Name of Producing Formation	Top On/ous Pay	Depth Casing Shoe
			ND CEMENTING RECORD	SACKS CEMENT
	HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
V.	TEST DATA AND REQUEST FOIL WELL  Date First New Oil Run To Tanks	OR ALLOWABLE (Test must be able for this  Date of Test	e after recovery of total volume of ic depth or be for full 24 hours)  Producing Method (Flow, pump,	pad oil and must be equal to or exceed top allow
	Length of Test	Tubing Pressure	Casing Pressure	Choro Sizo
	Actual Prod. During Test	Oil-Bbls.	Water - Bbls.	Ggs-MGF
	GAS WELL			
	Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Choke Size
	Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
VI.	CERTIFICATE OF COMPLIAN	ICE	4 1 M C	ERVATION COMMISSION
	I hereby certify that the rules and Commission have been complied above is true and complete to th	with and that the information give	מוצר במתודים ומחודים ומש	ed by A. R. Kendrick

Emro (Signature)

(Title)

(Date)

Production Accountant

June 25, 1979

# TION COMMISSION OWABLE

n or de jor juit 24 nours;	
Producing Method (Flow, pump, gas li)	(t, etc.)
	1000000
Casing Pressure	Choke Size
Water - Bbls.	Gas-MCF
	200000
Bbls. Condensate/MMCF	Gravity at Condendate
Casing Pressure (Shut-in)	Choke Size
OIL CONSERVA	ATION COMMISSION
APPROVED JUN 271	979, 19
By Original Signed by	
TITLE SUPERVISOR D	DISTRICT # 3
This form is to be filed in	compliance with RULE 1104.
well, this form must be accompa- tests taken on the well in acco	wable for a newly drilled or deepened anied by a tabulation of the deviation ordance with RULE 111.
All sections of this form makes able on new and recompleted w	ust be filled out completely for allow- relis.
mist autonly Cantings I 1	<ol> <li>III, and VI for changes of owner, rter, or other such change of condition.</li> </ol>
the state of the s	



THE APPLICATION OF PETRO-LEWIS CORPORATION FOR A SALT WATER DISPOSAL WELL.

# ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 701(B), Petro-Lewis Corp. made application to the New Mexico Oil Conservation Division on March 25, 1982, for permission to complete for salt water disposal its Federal 12-C Well No. 1 located in Unit M of Section 12, Township 19 North, Range 4 West, NMPM, Sandoval County, New Mexico.

The Division Director finds:

- (1) That application has been duly filed under the provisions of Rule 701(B) of the Division Rules and Regulations;
- (2) That satisfactory information has been provided that all offset operators and surface owners have been duly notified; and
- (3) That the applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met.
- (4) That no objections have been received within the waiting period prescribed by said rule.

### IT IS THEREFORE ORDERED:

That the applicant herein, Petro-Lewis Corp. is hereby authorized to complete its Federal 12-C Well No. 1, located in Unit. M of Section 12, Township 19 North, Range 4 West, NMPM, Sandoval County, New Mexico, in such a manner as to permit the injection of salt water for disposal purposes into the Entrada formation at approximately 5483 feet to approximately 5493 feet through 2 7/8 inch plastic lined tubing set in a packer located at approximately 5400 feet.

### IT IS FURTHER ORDERED:

That the operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

That the casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing, or packer.

That the injection well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to no more than 500 psi.

That the Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the Entrada formation.

That the operator shall notify the supervisor of the Aztec district office of the Division of the date and time of the installation of disposal equipment so that the same may be inspected.

That the operator shall immediately notify the supervisor of the Division's Aztec district office of the failure of the tubing, casing, or packer, in said well or the leakage of water from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

PROVIDED FURTHER, That jurisdiction of this cause is hereby retained by the Division for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after notice and hearing, the Division may terminate the authority hereby granted in the interest of conservation. That applicant shall submit monthly reports of the disposal operations in accordance with Rule 706 and 1120 of the Division Rules and Regulations.

Approved at Santa Fe, New Mexico, on this 8th day of June, 1982.

STATE OF NEW MEXICO
OLL CONSERVATION DIVISION

JOE D. RAMEY,

Division Director

SEAL



### STATE OF NEW MEXICO

# ENERGY AND MINERALS DEPARTMENT

# OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE

Still pending 1000 RIO BRAZOS ROAD AZTEC. NEW MEXICO 8741: (505) 334-6178

OIL CONSERVATION DIVISION BOX 2088 SANTA FE, NEW MEXICO 87501	5+11 perang 8-20-82	(505) 334-6178
RE: Proposed MC Proposed DHC Proposed SWD Proposed WFX Proposed PMX	5wD 244	
Gentlemen:	2	
I have examined the application	dated Thanch 25	1952
for the Pelm Lewis Com Operator	Folial 12 #1	M-12-19N-40
Operator Operator	Lease and Well No.	Unit, S-T-R
and my recommendations are as fo		
<i>i.l.</i>		
-		
Yours truly,		
Jell a. Samota		

. 14 -10-4----

	-		ÇAN'	A FE NEW MEXICO 87501			and the second
APPLI	CATION FOR AUTH	HORIZATION TO	) INJECT			A STATE OF THE STA	
· I.	Purpose:	Secondary		Pressure Mainte otive approval?	namee X n		Storpage 82
II.	Operator:		EWIS CORPORATI		, <u>L</u> , ,		MAR 25 1500
	Address: <u>-</u>		ox 937, Level		336		MAR CON. CON
	Contact part	y: James F.	. Sieck - Dist	rict Engineer	Phone: (80	6) 894–85	
111.	Well data:	Complete the proposed for	data required injection. Ad	on the reverse ditional sheets	side of this s may be atta	form for other	each well
. 1 V -	Is this an e If yes, give	xpansion of a	an existing pro n order number	ject? yes authorizing the	S ∑no ⇒ project		
٧.			fies all wells e-half mile rad ifies the well'			of any pr h proposed	oposed injection
• VI.	well's type.	construction	ata on all well njection zone. n, date drilled ed well illustr	Josephine de-	i include a		
VII.	Attach data d	on the propos	sed operation,	including:			
	3. Propo 4. Source the 5. If in at the	ces and an aper receiving for within one disposal zo	and maximum dame is open or cand maximum in oppropriate analy or disposal purion disposal	posed; jection pressur ysis of injecti ner than reinje proses into a proposed well,	e; on fluid and cted produce one not prod	compatibi d water; a uctive of	lity with nd oil or gas
*vIII.	Attach approp	riate deolon	iral data on th	ne injection	ne includica		
·	bottom of all total dissolv	underground ed solids come e as well as	thickness, and sources of dri ncentrations of any such source	nking water (ad	ne geologic : quifers cont:	name, and sining wat	depth to ers with
IX.	Describe the	proposed sti	mulation progra	m, if any.			
÷ ·x.	Attach appropriate with the Divi	riate logging sion they ne	g and test data ed not be resub	on the well. mitted.)	(If well log	is have bee	en filed
· xI.	WASTEDIE GIIG	- broadcrug/ /	s of fresh wate within one mile es samples were	of any inimati	nore fresh wa ion or dispos	iter wells sal well st	(if nowing
XII.		hydrologic co	ells must make ic and engineer onnection betwe	inn data and ti			~ • •
XIII.	Applicants mus	st complete t	the "Proof of N	otice" section	on the rever	se side of	this form.
XIV.	Certification		•				
	I hereby certi	ify that the	information sul	omitted with th	is applicati	on is true	and correct
		s F. Sieck	ge and belief.	Tit1	D4 - + - + - +	Engineer	,
	Signature:	Pami	من کر کے رہ	1.	te: .3	3/1/	82
• If the submit of the	information rated, it need not earlier submi	equired unde not be duplic ttal. An ele	er Sections VI, eated and resubsectric log was	V717 V V	,	been previ te and cir a prior re	
	•		VD approval.		4-,	-	<u>-</u>
DISTRI	BUITON: Orini	nal and one	conv to Canta C	AL	<del>,,</del>		

### III. WELL DATA

- The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
  - Lease name; Well No.; location by Section, Township, and Range; and footage
  - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
  - A description of the tubing to be used including its size, lining material, and (3)
  - The name, model, and setting depth of the packer used or a description of any other (4)

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
  - The name of the injection formation and, if applicable, the field or pool name. (2)
  - The injection interval and whether it is perforated or open-hole.
  - State if the well was drilled for injection or, if not, the original purpose of the well. (3) (4)
  - Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
  - Give the depth to and name of the next higher and next lower oil or gas zone in the

# XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement

- The name, address, phone number, and contact party for the applicant; (1)
- the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells:
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was



	S Corporation	Federal 12		
	FUDTAGE LOCATION	SECTION	TOWNSHIP	RANGE
1	960 FSL	1.2	19N	4W
	•			
<u>Sche</u>	ematic	To	bular Data	
		Surface Casing		
		Size 10 3/4 "	Cemented wit	h250
1 1		TOC Surface	feet determined by	circulat
		Hole size 15"		
	3,0	✓ Intermediate Casing		•
	10 <sup>3</sup> 4'		Cémented wit	h
	- 207	TOC		
		Hole size		
		Long string	_	602
		Size		
		TOC 1000		calculated
		Hole size 8		
		Total depth 57	35 '	
		Injection interval		
		5483 feet to (perforated or open-hol	5493	feet
			e, indicate which,	
•	pkr. @5900	Perforated	•	
	par. es //ss			
			•	
	± 5483′		•	
	5483' = 5493'		•	
	#			
TDE	#			
TD & -17 V	5493'			
	5493'			
	#	3 <i>5</i> ′		
	5493'	35′		
5574' V	5793'  TO 6573	5.5		set in a
ubing size	5793'  TO © 573  2 7/8" lines	d with Plastic (mater	ial)	set in a
ubing size	5793'  TO 6573	d with Plastic (mater	ial)5400	
ubing size  Baker L	5793'  TO © 573  2 7/8" lines	d with Plastic (mater	ial)	
ubing size  Baker L	5793'  TO © 573  2 7/8" lines  ok-Set  nd and model)	d with Plastic (mater	ial)	
ubing size  Baker L (braing or describe ther Data	5793'  TO © 573  2 7/8" lines  ok-Set  nd and model)	d with Plastic (mater packer at g seal).	ial)	
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ubing size  Baker L (brainer describe ther Data) Name of I Is this a	2 7/8"  lines  ok-Set  nd and model)  any other casing-tubing  the injection formation  Field or Pool (if applied  a new well drilled for it  or what purpose was the	d with Plastic (mater packer at g seal).  Entrada cable) Eagle Mesa injection? Yes & well originally drilled?	ial) 5400  ∑7 No Oil Production	) feet
ubing size  Baker L (brain or describe ther Data) Name of the last his a lift no, for the last here.	2 7/8"  lines  ok-Set  nd and model)  any other casing-tubing  the injection formation  Field or Pool (if applies a new well drilled for it or what purpose was the  well ever been perforate	d with Plastic (mater packer at packer at Entrada cable) Eagle Mesa injection?	∑∀ No  Oil Production  List all such per	feet
ubing size  Baker L (brain or describe ther Data) Name of the last his a lift no, for the last here.	2 7/8"  lines  ok-Set  nd and model)  any other casing-tubing  the injection formation  Field or Pool (if applies a new well drilled for it or what purpose was the  well ever been perforate	d with Plastic (mater packer at g seal).  Entrada cable) Eagle Mesa injection? Yes K well originally drilled?	∑∀ No  Oil Production  List all such per	feet
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.

	2	1	6
,	11	P.L.C.  (Federal-12  ID 5735'  P.L.C.	7
	Novajo 14-C TD 5662'	P.L.C. Navajo 13-C TD 5670'  13	18
2	23	24	19
7	26	25	3(

Federal 14-C-1	Federal 11-C-1	Federal 13-C-1 Operator: Petro-Lewis Corporation	Rell Name, Number Operator
330'FNL, 330'FEL, Sec.14, T-19-N, R-4-W, Sandoval County, New Mexico	330'FSL, 330' FEL, Sec. 11, T-19-N, R-4-W, Sandoval County, New Mexico	330' FWL, 430' FNL, Sec. 13, T-19-N, R-4-W, Sandoval County, New Mexico	Location: Unit Sec., Twp., Range
011 Producer	0il Producer	0il Producer	Type
10-20-75	9-5-75	9-24-75	Date Spudded
11-2-75	9-18-75	10-7-75	Completed
5662*	5484	5670'	Depth
5548"		5517'	PBTD
Entrada	Entrada	Entrada	Zone(s)
Open Hole: 5476' - 5484' Perfs & Csg: 10-3/4" @ 197" 7" & 5½" @ 5590' Perfs: 5442' - 5460'	Perfs & Csg.: 10-3/4" @ 201 cement, 7" @ 5465' cement (2 stage)	Perfs & Csg: 10-3/4" @228'  w/200 sx., 7" & 5-1/2" @ 5570'  w/705 sx.  Perfs: 5418' - 5444'	Record of Completion: Perf(s) and Well Constr

FEDERAL 12-C #1 SEC. 12, T19N, R4W Sandoval County, New Mexico

RE: Para VII-C-108

### DATA ON PROPOSED OPERATION

 Proposed average and maximum daily rate and volume of fluids to be injected.

Average daily rate of 6000 BWIPD. Maximum daily rate of 7500 BWIPD.

- System is closed.
- Proposed average and maximum injection pressure: Average injection pressure 400 psi. Maximum injection pressure 500 psi.
- 4. A. Source of injection fluid: Produced water from Entrada formation in adjacent wells.
  - B. Analysis of formation fluid: N/A
- 5. Zone of disposal is productive of oil within one mile of the proposed disposal well.
- 6. Packer fluid will fill the annulus above the packer. The annular pressure will be monitored regularly to detect leakage.

FEDERAL 12-C #1 Sec. 12, T19N, R4W Sandoval County, New Mexico

RE: Para VIII-C-108

# GEOLOGICAL DATA

POOL: Eagle Mesa-Entrada

FORMATION: Entrada

GEOLOGICAL NAME: Entrada

THICKNESS: @ 255 feet

DEPTH: @ 5735 feet

INJECTION INTERVAL: 5435 feet

RE: Para IX-C-108

No stimulation program is currently being proposed for this well.

Federal 12-C #1 Section 12, T19N, R4W Sandoval County, New Mexico

RE: Para X-C-108

# LOGGING AND TEST DATA

An electric log was submitted 12-15-81 to the New Mexico Oil Conservation Division along with a prior request for SWD approval.

RE: Para XI-C-108

# CHEMICAL ANALYSIS OF FRESH WATER

The only fresh water well within one mile of the proposed disposal well is currently inoperable. Therefore, a sample was not obtained and analyzed.

FEDERAL 12-C #1 Sec. 12, T19N, R4W Sandoval County, New Mexico

RE: Para XII-C-108

Petro-Lewis Corporation has examined available geologic and engineering data and finds no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

FEDERAL 12-C #1 Sec. 12, T19N, R4W Sandoval County, New Mexico

> RE: Para XIII-C-108

### NOTICE

Surface Owners: Minerals Management Service

Drawer 600

Farmington, New Mexico 87401

Offset Operators within one-half mile:

Trend Exploration Govenor's Center

Suite 600, 777 Grant Street Denver, Colorado 80203

PETRO-LEWIS CORPORA-TON, P. O. Box 937, Level-ind, Texas 79336, 806 894-589 CONTACT: James F. Sieck
Petro-Lewis Corporation
ntends to convert the Federal
2-1 well into a salt water
isposal well in order to disose of water produced from
he Entrada formation in adjaent wells. Well location is
60° FSL and 330° FWL of Secon 12, Township 19 North,
lange 4 West, Sandoval Coun/, New Mexico.
The injection interval in STATE OF NEW MEXICO, County of Bernalillo being duly sworn declares and says that he is letter that this news-7, New Mexico.

The injection interval is rough perforations from 193' - 5483' in the Entrada rimation. The maximum ancipated injection rate is 5 PM at 500 psi. Maximum iticipated volume is 7500 pp. paper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Laws of 1937, and that payment therefor has been made or assessed as court costs; that the notice, a copy of which is hereto attached, was published in said paper in the regular daily edition, Interested parties must file ojections or requests for paring with the Oil Conserva-on Division, P. O. Box 2088, inta Fe, New Mexico 87501 ithin 15 days, surnal, February 23, 1982 .... times, the first publication being on the . .... day , 197. and the subsequent consecutive publications on ....

CALCOLO MANAGES

NOTARY PUBLIC - NEW MEXICO

NOTARY BOND FILED WITH SECRETARY OF STATE

My Commission Expires

Sworn and subscribed to before me, a Notary Public in and for the County of Bernalillo and State of New Mexico,

🚨 day of

Notary Public.

My commission expires .....

FETRO-LEWIS CORPORA TION, P. O. Box 937, Level-iand, Texas 79336, 806 894-8589

CONTACT: James F. Sieck
Petro-Lewis Corporation
intends to convert the Federal
12-1 well into a salt water
disposal well in order to dispose of water produced from
the Entrada formation in adjacent wells. Well location is
960' FSL and 330' FWL of Section 12, Township 19 North,
Range 4 West, Sandoval County, New Mexico.
The injection interval is
through perforations from
5493' - 5483' in the Entrada
formation. The maximum anticipated injection rate is 5
BPM at 500 psi. Maximum
anticipated volume is 7500
BPD.
Interested parties must file

BPD.
Interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.
Journal, February 23, 1982

STATE OF NEW MEXICO, County of Bernalillo being duly sworn declares and says that he is \. Salvof Albuquerque Journal, and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Laws of 1937, and that payment therefor has been made or assessed as court costs; that the notice, a copy of which is hereto attached, was published in said paper in the regular daily edition, ..... times, the first publication being on the . ..... day , 197 and the subsequent consecutive publications on Sworn and subscribed to before me, a Notary Public in and for the County of Bernalillo and State of New Mexico, this. day of

NOTARY PUBLIC - NEW MEXICO NOTARY BOND FILED WITH SECRETARY OF STATE My Commission Expires AND CONTRACTOR Notary Public. My commission expires .....

Guy **UNITED STATES POSTAL SERVICE** your name, address, and ZIP Code in the space below. Z Endorsa articla "Return Receipt Requestad" Attach to front of article if space permits, SENDER INSTRUCTIONS OFFICIAL BUSINESS RETURN items 1, 2, and 3 on the reverse. LEVELLAND TEXAS 79336 ъ PETRO-LEWIS CORPORATION 0 Z. 5 (City, State, and ZIP Code) (Street or P.O. Box) (Name of Sender) S. GEOLOGICAL SURVEY FARMINGTON, N. M.

PS Form	SENDER: Complete items 1, 2, and 3.  Add your address in the "RETURN TO" space on reverse.	
3811, Jan. 1979	1. The following service is requested (check one.)  Show to whom and date delivered	
	(CONSULT POSTMASTER FOR FEES)	
RETURN RECEIPT, REGISTERU	2 ARTICLE ADDRESSED TO:  TREND EXPLORATION  OCOCHOIS CER 777 GIZINST, Suit  DENO EL CO 80307  3. ARTICLE DESCRIPTION: REGISTERED NO.   CERTIFIED NO.   INSURED NO.  (Always obtain signature of addressee or agent)  I have received the article described above.  S:CNATURE   DAddressee   DAuthorized agent	<b>. 6</b> 00
RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL	5. ADDRESS (Complete only if requested)  6. UNABLE TO DELIVER BECAUSE:  (CLERK'S NITIALS	

5. LEASE

# UNITED STATES DEPARTMENT OF THE INTERIOR

DEPARTMENT OF THE INTERIOR	NM-25298-A
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)	7. UNIT AGREEMENT NAME
1. oil	8. FARM OR LEASE NAME
well other disposal well	Federal 12-C 9. WILL NO.
2. NAME OF OPERATOR	1
Petro-Lewis_Corporation 3. ADDRESS OF OPERATOR	10. FIELD OR WILDCAT NAME
P.O. Box 16200, Lubbock, Texas 79490 4. LOCATION OF WELL (REPORT LOCATION CLEARLY, See space 17 below.)	Eagle Mesa 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
AT SURFACE: 460' FSL & 330' FWL	Sec. 12, T19N, R4W 12. COUNTY OR PARISH 13. STATE
AT TOP PROD. INTERVAL: same AT TOTAL DEPTH: same	Sandoval New Mexico
same  16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE.	14. API NO.
REPORT, OR OTHER DATA الاستخدار	15. ELEVATIONS (SHOW DF, KDB, AND WD) 6711' KB
REQUEST FOR APPROVAL TO:  SUBSEQUENT REPORT OF:  TEST WATER SHUT-OFF	
RACTURE TREAT	ED \
SHOOT OR ACIDIZE	NOTE: Report results of multiple completion or zone change on Form 9–330.)
PULL OR ALTER CASING	SNOTE: Respire results of multiple completion or zone charge on Form 9-330.)
MULTIPLE COMPLETE	The second secon
ARANDON.	The state of the s
other) SWD Conversion	
17. DESCRIBE PROPOSI D OR COMPLETED OPERATIONS (Clearly state including estimated date of starting any proposed work. If well is differenced and true vertical depths for all markers and zones pertinent	all pertinent details, and give pertinent dates, rectionally drilled, give subsurface locations and
The work to convert this well to a salt water di	
at this time. Petro-Lewis Corporation will file been completed.	a sundry notice when the work has
•	
	· ·
Jubsurface Safety Valve: Manu. and Type	Set @ Ft.
8. Thereby certify that the foregoing is true and correct	• •
Petroleum  TITLE Engineer  (This space for Federal or State office)	DATE 12-17-82
	e pset
PPROVED BY TITLE ONDITIONS OF APPROVAL IF ANY	DATE
CSCEPTED FOR RECORD	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )
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JAN 0 3 1983	<u>(</u>

# STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

JAN 1 6 1984 OIL CON. DIV.

CASE NO. 7987 Order No. R-7426

Disposal orders

APPLICATION OF PETRO-LEWIS CORPORATION FOR AMENDMENT TO ADMINISTRATIVE ORDER SWD-244, SANDOVAL COUNTY, NEW MEXICO.

# ORDER OF THE DIVISION

# BY THE DIVISION:

This cause came on for hearing at 9 a.m. on October 26, 1983, at Santa Fe, New Mexico, before Examiner Michael E. Stogner.

NOW, on this <u>llth</u> day of January, 1984, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

### FINDS:

- (1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Petro-Lewis Corporation, is the owner and operator of the Federal 12-C Well No. 1, located 460 feet from the South line and 330 feet from the West line of Section 12, Township 19 North, Range 4 West, NMPM, Sandoval County, New Mexico.
- (3) That Division Administrative Order No. SWD-244, dated June 8, 1982, authorized Petro-Lewis Corporation to dispose of produced salt water into the Entrada formation at approximately 5483 feet to 5493 feet through 2 7/8-inch plastic-coated tubing set in a packer located at approximately 5400 feet in said Federal 12-C Well No. 1.
- (4) That the oil-water contact line in said Federal 12-C Well No. 1 is presently at 5520 feet.

- (5) That the applicant proposes to squeeze off with cement the existing perforations at 5483 feet to 5493 feet and to continue to utilize said well as a salt water disposal well by injecting produced salt water below the oil-water contact line in the Entrada formation through a perforated interval from approximately 5600 feet to 5700 feet.
- (6) That the injection should be accomplished through 3 1/2-inch plastic-lined tubing installed in a packer set at approximately 5500 feet; that the casing-tubing annulus should be filled with an inert fluid; and that a pressure gauge or approved leak detection device should be attached to the annulus in order to determine leakage in the casing, tubing, or packer.
- (7) That the injection well or system should be equipped with a pressure limiting switch or other acceptable device which will limit the wellhead pressure on the injection well to no more than 1120 psi.
- (8) That the Director of the Division should be authorized to administratively approve an increase in the injection pressure upon a proper showing by the operator that such higher pressure will not result in migration of the injected waters from the Entrada formation.
- (9) That the operator should notify the supervisor of the Aztec district office of the Division of the date and time of the installation of disposal equipment so that the same may be inspected.
- (10) That the operator should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.
- (11) That approval of the subject application will prevent the drilling of unnecessary wells and otherwise prevent waste and protect correlative rights.
- (12) That said Division Administrative Order No. SWD-244 should be rescinded.

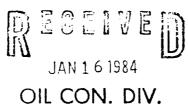
## IT IS THEREFORE ORDERED:

(1) That the applicant, Petro-Lewis Corporation, is hereby authorized to continue to utilize its Federal 12-C Well No. 1, located 460 feet from the South line and 330 feet from the West

line of Section 12, Township 19 North, Range 4 West, NMPM, Sandoval County, New Mexico, to dispose of produced salt water below the present oil-water contact line in the Entrada formation, injection to be accomplished through 3 1/2-inch tubing installed in a packer set at approximately 5500 feet, with injection into the perforated interval from approximately 5600 feet to 5700 feet;

PROVIDED HOWEVER, that the tubing shall be plastic-lined; that the existing Entrada perforations from 5483 feet to 5493 feet shall be squeezed; that the casing-tubing annulus shall be filled with an inert fluid; and that a pressure gauge shall be attached to the annulus or the annulus shall be equipped with an approved leak detection device in order to determine leakage in the casing, tubing, or packer.

- (2) That the injection well or system shall be equipped with a pressure limiting switch or other acceptable device which will limit the wellhead pressure on the injection well to no more than 1120 psi.
- (3) That the Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the Entrada formation.
- (4) That the operator shall notify the supervisor of the Aztec district office of the Division of the date and time of the installation of disposal equipment so that the same may be inspected.
- (5) That the operator shall immediately notify the supervisor of the Division's Aztec district office of the failure of the tubing, casing, or packer, in said well or the leakage of water from or around said well and shall take such steps as may be timely and necessary to correct such failure or leakage.
- (6) That the applicant shall submit monthly reports of its disposal operations in accordance with Rules 702, 703, 704, 705, 706, 708, and 1120 of the Division Rules and Regulations.
- (7) That Division Administrative Order No. SWD-244, dated June 8, 1982, is hereby rescinded.
- (8) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.



DIST. 3

-4-Case No. 7987 Order No. R-7426

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO

OIL CONSERVATION DIVISION

JOE D. RAMEY

Director

SEAL

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### STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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OPERATOR				
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# OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 37501

Form C-104 Revised 10-01-78 Format 06-01-83 Page 1

# REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

1	ISPORT DIE AND NATURAL GAS
Operator	
Kirby Exploration Company & Local	
Address 2 2 X 1 / ( )	<u>}</u>
P. O. Box 1745 Houston, Texas 77251	
Reason(s) for tiling (Check proper box)	Other (91)
New Well Change in Transporter of:	Other (Please explain)
Recompletion	Dry Gas
X Change in Ownership	Condensate
	Concensate
I change of ownership give name  Dotto Louis Componsti	D 0 D 0000
and address of previous owner Petro-Lewis Corporation	P. O. Box 2250 Denver, Colorado 80201
I. DESCRIPTION OF WELL AND LEASE	
Lease Name   Well No.   Pool Name, including	Formation
	NM Lease No.
Federal 12 1 Eagle Mesa Er	ntrada State, Federal or Fee Federal 25298
Unit Letter M : 330 Feet From The West	
Unit Letter M : 330 Feet From The West Li	ne and 460 Feet From The South
Line of Section 12 Township 19N Range	411
Cine of Section 12 Township 19N Range	4W , NMPM, Sandoval County
II. DESIGNATION OF TRANSPORTER OF OF	
IL DESIGNATION OF TRANSPORTER OF OIL AND NATURA	<u>L GAS</u>
Gary Energy Corp.	Address (Give address to which approved copy of this form is to be sent)
	115 Inverness Dr. East, Englewood, 60 8011
N/A	Address (Give address to which approved copy of this form is so to sent;
If well produces oil or liquids, Unit Sec. Twp. Rgs.	is gas actually connected? When 2100/
11 12 13N : 4W	No 4 DEC 1 71984
this production is commingled with that from any other lease or pool,	give commingling order number:
OTE: Complete Parts IV and V on reverse side if necessary.	
•	Dist. 3
I. CERTIFICATE OF COMPLIANCE	OIL CONSERVATION DIVISION
	THE STATE OF THE S
nereby certify that the rules and regulations of the Oil Conservation Division have en compiled with and that the information given is true and complete to the best of	APPROVED
v knowledge and belief.	
	BY
t	TITLE SUPERVISOR PETRICT # 3
V 2/2	
De Tamero	This form is to be filed in compliance with RULE 1104.
(Signature)	If this is a request for allowable for a manufacture of
Production Supervisor	well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
(Title)	All sections of this form must be filled out completely for silow-
12-1-84	-Die on new and recompleted wells.
(Date)	Fill out only Sections I. II. III, and VI for changes of owner,
·	were name or number, or transporter, or other such change of condition
<b>II</b>	Separate Forms C-104 must be filed for each pool in multiply completed wells.

IV. COMPLETION DATA	Cil Well	Gas Well	New Well	( )(( )	15	T 51 - 5	Same Restv.	B. (4   B - 4
Designate Type of Completi		Cas well	i i i	Workover	Deepen	Plug Back	Jame Mes'v.	i i
Date Spudded	Date Compl. Ready to P	Prod.	Total Depti	1	· · · · · · · · · · · · · · · · · · ·	P.B.T.D.		,
Elevations (DF, RKB, RT, GR, etc.,	Name of Producing Form	notion	Top OII/Go	s Pay		Tubing Dep	th	· <u> </u>
Perforations	. <u>l</u>					Depth Cast	ng Shoe	
·····	TUBING,	CASING, AN	D CEMENTI	NG RECORI	<b>5</b>			
HOLE SIZE	CASING & TUBI	NG SIZE		DEPTH SE	T	S.A	ACKS CEME	чт
			<u></u>					
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	!		<u> </u>			<u> </u>		
'. TEST DATA AND REQUEST OIL WELL	FOR ALLOWABLE	Test must be d able for this d	ifter recovery epth or be for	of sosal volum full 24 hours,	ne of load of	land must be e	qual to or exc	eed top allow
Date First New Cil Run To Tanks	Date of Test		Producing )	Asthod (Flow,	pump, gas i	ift, etc.)		
Length of Test	Tubing Pressure		Casing Pre-	**W*		Chose Size	······	
Actual Prod. During Test	OII-Bbis.		Water - Bbis			Gas - MCF		
AS WELL	1	<del></del>	<del> </del>			<u> </u>		
Actual Prod. Teet-MCF/D	Length of Test		Bhia. Cond	nagte/MMCF		Gravity of C	Condensate	* ****
			Daile Cond	macro surer				
Teeting Method (pitot, back pr.)	Tubing Pressure ( Shut-	·1= }	Casing Pres	-swe (Sbet-	in)	Choke Size		

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DEC 1.2 1984

# STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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# OIL CONSERVATION DIVISI P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-104 Revised 10-01-78 Format 05-01-83

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	CON	DIN
GAS	DIST. 3	-, V.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

PRORATION OFFICE	AND DIST. 3 DIV.
Merrion Oil & Gas Corporation	
Address	
P.O. Box 840 - Farmington, N.M.	87499
Reason(s) for tiling (Check proper box)	Other (Please explain)
Country in 1 canaporter of:	
X Change in Ownership Casinghead Gas	Dry Gas
If change of ourseship and	Company of Texas - P.O. Box 1745
	Houston, TX 77251
II. DESCRIPTION OF WELL AND LEASE   Lease Name   Well No.   Pool Name, Including	Formation
I Fodoral 10	Lease No.
Location	sa Entrada State, Federal or Fee Federal NM-25298
Unit Latter M : 460 Feet From The South	Line and 330 Feet From The West
Line of Section 12 Township 19N Range	4W NMPM, Sandoval County
III DESIGNATION OF TRANSPORTED OF THE	
Mane of Authorized Transporter of Cit. To or Condensate of Condensate	AL GAS
Gary Energy Corporation	Address (Give address to which approved copy of this form is to be sent)  115 Inverness Drive East
Name of Authorized Transporter of Casinghead Gas or Dry Gas	Address (Give address to which approved copy of this form is to be sent)
	Englewood, COL 80112
If well produces oil or liquids, Unit Sec. Twp. Rgs. give location of tanza. M 12 19N 4W	Is gas actually connected? When
If this production is commingled with that from any other lease or poo	l, give commingling order number:
NOTE: Complete Parts IV and V on reverse side if necessary.	
VI. CERTIFICATE OF COMPLIANCE	OIL CONSERVATION DIVISION
I hereby certify that the rules and regulations of the Oil Conservation Division hav	APPROVED AUG A 1000
been complied with and that the information given is true and complete to the best of my knowledge and belief.	500 1000
,	BY Away
The second second second second second second second second second second second second second second second se	TITLESUPERVISOR DISTRICT # 4
and file the second of the second of the second of the second of the second of the second of the second of the	This form is to be filed in compliance with RULE 1104.
Operations Manager	If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.
8 27/80	All sections of this form must be filled out completely for allowable on new and recompleted wells.
(Dute)	Fill out only Sections I. II. III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

	Oil Well Gas Wel	New Well Works	Yer T	Deepen	Plug Back	Same Resty.	1500 8
Designate Type of Completi	ion – (X)	11012	!	Deepen	l i	I Same Res-v.	i
Date Spudded	Date Compl. Ready to Prod.	Total Depth			P.B.T.D.	<del>, 1</del>	. <b>.</b>
Elevations (DF, RKB, RT, GR, etc.)	Top Oil/Gas Pay			Tubing Dep	th		
Periorations		······			Depth Castr	ng Shoe	<del></del>
	TUBING, CASING, A	ND CEMENTING RE	CORD			·	
HOLE SIZE	CASING & TUBING SIZE	DEPT	нзет		S.	CKS CEME	47
						<u> </u>	
'. 1EST DATA AND REQUEST OIL WELL	FOR ALLOWABLE (Test must be able for this	s after recovery of total depth or be for full 24	volume :	of load oil	and must be e	qual to or exc	eed top ai
OIL WELL	FOR ALLOWABLE (Test must be able for this	e after recovery of social depth or be for full 24 Producing Method	hours)			qual to or exc	eed top ai
OIL WELL  Date First New Oil Run To Tanks	able for this	depth or be for full 24	hours)			qual to or exc	eed top ai
OIL WELL  Date First New OII Run To Tanks  Length of Test	Date of Test	Producing Method (	hours)		ift, etc.j	qual to or exc	eed top ai
Oil Whill Date First New Oil Run To Tanks Length of Test Actual Prod. During Test	Date of Test Tubing Pressure	Producing Method ( Casing Pressure	hours)		Choze Size	qual to or exc	eed top ai:
OIL WHIL Date First New OII Run To Tanks Length of Test Actual Prod. During Test	Date of Test  Tubing Pressure  Oil-Bbls.	Producing Method ( Casing Pressure  Water-Bbis.	hours)		Chaze Size  Gas-MCF		eed top ali
OIL While Date First New Oil Run To Tanks Length of Test Actual Prod. During Test	Date of Test Tubing Pressure	Producing Method ( Casing Pressure	hours)		Choze Size		eed top all

Form 3160-5 (November 1983)	UNITED ST.		SUBMIT IN TRIPLICATE* (Other instructions on re-	Hudget Bureau No. 1004-0135 Expirés August 31, 1985 5. LEABE DEBIGNATION AND ABBIAL NO.			
(Formerly 9-331)	SUREAU OF LAND M				NM-25298		
	UDRY NOTICES AND I	REPORTS ON	to a different reservoir	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME		
OIL GAR WELL X	C OTHER			7. UNIT AGREEMENT NA	NE .		
2. NAME OF OPERATOR				8. FARM OR LEASE NAM	<u>r</u>		
3. AUDRESS OF OPERATO				Federal 12-6			
<ol> <li>LOCATION OF WELL ( See also space 17 bel</li> </ol>	), Farmington, NM 87- Report Coation clearly and in accor- (ow.)	499 rdnoce with any State	requirements.*	10. FIELD AND POOL, OR	WILDCAT		
At surface 460' FSL	& 330' FWL			Eagle Mesa En	trada LK. AND		
14. PERMIT NO.	15. ELEVATIONS	(Show whether DF, RT, o	GR, etc.)	Sec 12, T19N,	R4W		
				Sandoval	New Mexico		
. C.		To Indicate Natur	e of Notice, Report, or C	Other Data			
	NOTICE OF INTENTION TO:		PORREGE	DENT REPORT OF:			
TEST WATER SHUT-O	PULL OR ALTER CAS		WATER SHUT-OFF FRACTURE TREATMENT	EXPAIRING W	11		
SHOOT OR ACIDIZE	ABANDON*		SHOOTING OR ACIDIZING	ALTERING CA	11		
REPAIR WELL	CHANGE PLANS		(Other)				
(Other)	R COMPLETED OPERATIONS (Clearly s	tate all markets of a	Completion or Recompl	of multiple completion c etion Report and Log for	m )		
opera	tive August 1, 19 tor of subject ration.	986, Merrio lease.	n Oil & Gas Cor Previous opera	poration becator was Ki	ame rby		
- \$141000	stroftweening is true and correct  To I I BW  At or State office use;  PROVAL, IF ANY:	TITLE	action Engineer 	8/11/8 8/21/8 <b>TACCEPTED <u>E</u>OI</b>			
	* 📞	re Instructions on	Rovene Side				
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FARMINGTON RESOURCE AREA

Form 3160-5 (November 1983) (Formerly 9-331)	DEPART	UNITED STA MENT OF TH U OF LAND MA	E INTERIO	SUBMIT IN TRIPLICATE (Other instructions on )R verse side)	7e 5.	Form approved. Budget Bureau I Expires August LEASE DESIGNATION M-25298 -A	31, 1985
SUNDRY NOTICES AND REPORTS ON WELLS  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  Use "APPLICATION FOR PERMIT—" for such proposals.)						IF INDIAN, ALLOTTEE	OR TRIBE NAME
OIL GAR WELL WELL	отник				7.	UNIT AGREEMENT NA	ME
2. NAME OF OPERATOR						FARM OR LEASE NAM	E
Merrion Oil &	Gas Corpo	oration				ederal 12-C	
3. ADDRESS OF OPERATOR	out outpe	21401011				WBLL NO.	
P. O. Box 840,	Farmingt	on, NM 8749	99		1		
4. LOCATION OF WELL (Rep See also space 17 below	sort location c.	learly and in accord	ance with any S	tate requirements.*	10.	FIELD AND POOL, OF	WILDCAT
At surface						agle Mesa En	
460' FSL &	330' FWL	ı			11.	SEC., T., R., M., OR R. SURVEY OR AREA	LK. AND
14. PERMIT NO.		15. ELEVATIONS (S	how whether DF, F	rt, GR, etc.)	S	ec 12, T19N,	R4W
						andorra 1	
16.		· D T	1 1			andoval	New Mexico
			o Indicate Na	ture of Notice, Report, o	r Other	Data	
NO	TICE OF INTEN	TION TO:		SUBS	REQUENT	REPORT OF:	
TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other)		PULL OR ALTER CASH SULTIPLE COMPLETE ABANDON* CHANGE PLANS		WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING (Other) (Note: Report resi Completion or Reco details, and give pertinent da	upletion	REFAIRING W ALTIBING CA ABANDONMEN Cultiple completion of Report and Log for	sinc T. Du Well
Merrior of the is not	oil & subjec returna ill be	Gas reque t well to ed to prod	ests an e August 1 uction b	extension for large pertinent dans and measured and true version for large pertinent dans and true version for lar	ong e ev	term shut- ent the we	and zones perti- in ell

SIGNED WILL PRODUCTION Engineer

SIGNED PROVIDE STATE BY 1/88

TITLE Production Engineer

DATE 8/11/88

DATE AUG 17 1938

CONDITIONS OF APPROVAL, IF ANY:

See Instructions on Reverse Side

FARMINGTON RECOURE APPROVAL

Title 18 U.S.C. Section 1721, makes it a content and person knowingly and willfully it make it and department on expense of the United States any filter. In the Content of space ments of the United States any filter. In the Content of space ments of the United States any filter.

(November 1983) (Formerly 9-351)	DEPARTMENT OF THE IN BUREAU OF LAND MANAG		5 LEASE DESIGNATION IND SESSIAL NM-25298
	JNDRY NOTICES AND REPO	RTS ON WELLS	6 IF INDIAN, ALLOTTEE OR TRIBE SAME
I. OIL W GAS	·		7. UNIT AGREEMENT NAME
WELL X WEL  2. NAME OF OPERATOR			8. FARM OR LEASE NAME
Merrion Oil	. & Gas Corporation		Federal 12-&
3. ADDRESS OF OPERA	TOB		8. WBLL NO.
	140, Farmington, N.M. 87499 (Report location clearly and in accordance w		10. FIELD AND POOL OR WILDCAT
See also space 17 At surface	below )		Eagle Mesa Entrada
			11. SEC., T., B., M., OR BLK. AND SURVEY OR AREA
460' FSL &	330' FWL		Sec 12, T19N, R4W
14. PERMIT NO	10 ELEVATIONS (Show wh	ether DF. RT. GR. etc.;	12. COUNTY OR PARISH: 13. STATE
	6710' RT	6698 GL	Sandoval N.M.
16.	Check Appropriate Box To Indi	case Nature of Notice, Report, or	Other Data
	NOTICE OF INTENTION TO:	SUBSEC	QUENT REPORT OF:
TEST WATER SHUT	FOFF PULL OR ALTER ASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	THE LOTTE OF COMPLETE	FRACTUBE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON® HANGE PLANS	SHOUTING OR ACIDIZING	ABANDONMENT®
Other: Exter 17. Describe proposed work proposed work nent to this work	nsion of long term shutain lacksommerts are meriting of the constitution of the consti	√ interpretation or Recompt	s of multiple completion on Well pletton Report and Log form.  5. Including estimated date of starting all call depths for all markers and zones or 1999
Merric shut-i	on Oil & Gas requests n of the subject well	an additional extens: for the following re	OLCIN. DIV.  ion for long term asons:
1	) There is no eviden	ce of poor casing in	tegrity.
2	additional oil fro off from an exis	oring various meth m this Entrada reserv ting well and horiz l in a CO <sub>2</sub> or othe	oir. We may kick Zontal drill. or
We req June 1	quest that the long ter , 1989 and prospective	m shut-in be granted ly for another year.	retroactively to
	THIS APPROVA	al expens <u>ille de s</u>	tus Kirk
SIGNED	to the foregoing is true and correct	Production Engineer	APPROV5D
This space for Fed	eral or State office use)		
APPROVED BY	TITLE		
	APPROVAL, IF ANY:		- 90t <u>ta 1989                                     </u>
	i e		Kan Townsend

\*See Instructions on Reverse Side

Title 15 U.S.C. Segmen 1991, makes it a crime for any person knowingly and willfully to make the commission of the United States any false, fictitizes or fraudulent statements of representations as to any matter within its jurisdiction.

FOR AREA MANAGET FARMINGTON PLESSURED AREA

(November 1983) (Formerly 9=331)	UNITED STATES DEPARTMENT OF THE INTE	· · · · · ·		1 31, 1985 AND SERIAL		
SUN (Do not use this	6. IF INDIANREGED					
OIL X GAS WELL	D SHTO	91,36117 33.23.15	7. UNIT AGRAPHATEN	7. UNIT AGERET 25 NA RE* 12: 45		
	Merrion Oil & Gas Corporation			8. FARM OR LEASE NAME. Federal 12-6		
3. ADDRESS OF OPERATO P. O. BOX	840, Farmington, NM 87499		9. WBLL NO.			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*  See also space 17 below.)  At surface			10. FIELD AND POOL, OR WILDCAT  Eagle Mesa Entrada			
460' FSL	& 330' FWL		11. SEC., T., B., M., OR SURVEY OR AREA	BLK. AND		
14. PERMIT NO.	15. ELEVATIONS (Show whether 6710' RT	DF, RT, GR, etc.)	12. COUNTY OF PARISE Sandoval			
16.	Check Appropriate Box To Indicate NOTICE OF INTENTION TO:		Other Data			
TEST WATER SHUT-C PRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other)	PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON® CHANGE PLANS	WATER SHUT-OFF  FRACTURE TREATMENT SHOOTING OR ACIDIZING  (Other)  (NOTE: Report results Completion or Recomp	ALTERING C ABANDONME  of multiple completion letion Report and Log fo	ASING NT*		
nent to this work.)	R COMPLETED OPERATIONS (Clearly state all pertin well is directionally drilled, give subsurface to is no longer capable of prod	ent details, and give pertipent dates, cations and measured and true vertic	including estimated dai al depths for all marker	te of starting any s and sones perti-		

FEB 0 4 1991 OIL CON. DIV.

		APPROVED
SIGNED George F. Sharpe	TITLEEngineer	DATE 1-11-91
(This space for Federal or State office use)		JAN 2 8 1991
APPROVED BYCONDITIONS OF APPROVAL, IF ANY:	TITLE TIME	cc: Well File
	*See Instructions on Reverse Side	FARMING TOTAL DESCRIPTION AREA

Form 3160-5 (June 1990)

1. Type of Well

2. Name of Operator

☑ Oil ☐ Gas Well ☐ Well

3. Address and Telephone No.

MERRION OIL & GAS CORPORATION

stions as to any matter within its jurisdiction.

P. O. Box 840, Farmington, NM 87499

# UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

BUREAU OF LAND MANAGEMENT

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Na

Federal 12 4

10. Field and Pool, or Exploratory Area

Eagle Mesa Entrada

8. Well Name and No.

9. API Well No.

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

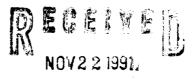
7. If Unit or CA, Agreement Designation

NM .87227 .25,298

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		Eagle Mesa Entrada		
460	0' FSL & 330' FWL c 12, T19N, R4W SWSW			Sandoval, NM
12.	CHECK APPROPRIATE BO	X(s) TO INDICATE NATURE OF NOTICE, REPOR	Τ, (	OR OTHER DATA
	TYPE OF SUBMISSION	TYPE OF ACTION		
	X Notice of Intent	Abandonment		Change of Plans New Construction
	Subsequent Report	Plugging Back Casing Repair		Non-Routine Fracturing Water Shut-Off
	Final Abandonment Notice	Altering Casing  X Other Squeeze & Reperforate	L N C	Conversion to Injection  Dispose Water  ote: Report results of multiple completion on Well conjusted or Recompletion Report and Log form.)
13. Desc	ribe Proposed or Completed Operations (Clearly star give subsurface locations and measured and true w	e all perturent details, and give pertinent dates, including estimated date of starting retical depths for all markers and zones pertinent to this work.)*		

505/327-9801

We would like to cancel our P&A procedure approved on 7-19-91, and instead, squeeze and reperforate the well. Attached is a procedure for your review. If we are unsuccessful in returning the well to production, we will plug the well as previously approved.



OIL COM. DIV.

	DIST. 3	
14. I hereby certify that the foregoing is true and correct Signed	Tide Engineer	Date11/20/91
(This space for Federal or State office use)	Title	APPROVED
Approved by	bela Will	AREA MANAGED
Title 18 U.S.C. Section 1001, makes it a crime for any person ki	nowingly and willfully to make to any department or agency of	of the United States any false, fictitious or fraudulent statements

#### FEDERAL 12C-1

### Testing and Plug Back Procedure

Prepared By	: George F	. Sharpe		Date:	6-3-91

6-2-01

Charno

Coorgo F

- 1) MIRU. RIH w/ 6-1/4" bit, 7" scraper. Cleanout to PBTD. POH. Pick up and RIH w/ 7" pkr. Set pkr @ ± 5450'. Swab test Entrada perfs. POH w/ pkr.
- RU Wireline. Perf sqz holes @ ± 5514'. Set CICR @ ± 5504'. 2) RD Wireline.
- RIH w/ tbg and sting into CICR. Establish circulation between 3) sqz holes (5514') and Entrada perfs (5483'-5493'). Batch mix and pump 25 sx class G w/ 2% CaCl. Displace to CICR. Sting out and pull to ± 4350'. Reverse clean. Pump away ± 1 Bbl. WOC. (If can't get circulation, sqz ± 10 sx into sqz holes.)
- 4) POH. RIH w/ 6-1/4" bit. Clean out to CICR. POH w/ bit. RU Wireline. Reperf 5483'-5493' (per density log). (If don't get circulation in Step 3, swab test after cleanout.)
- RIH w/ 7" pkr. Set  $0 \pm 5350$ '. Swab test well. Pressure test 5) csg to 750 psi. If no oil, proceed w/ Plug Back.
- POH w/ 7" pkr. RIH w/ CIBP on tbg. Set CIBP 0  $\pm$  5450'. If csg didn't pressure test in Step 5, RIH w/ pkr and isolate 6) holes. Repair as necessary. Pickle hole w/ inhibited fluid. POH. RDMOL.

Approved	Date
* * · · · · · · · · · · · · · · · · · ·	

\*See instruction on Reverse Sic.

1001, makes it a crime for any person knowingly and willfully to make to any de

ny maner within its jurisdiction

Title

w of the to be a states any false, fictitious or fraudulent statements

### FEDERAL 12C NO. 1

On Report

November 14, 1991

Summary: MIRU. SDON. (CCM)

November 15, 1991 Day No. 2

Summary: Pickup 2-7/8" EUE tbg off of catwalk w/ 6-1/8" rock bit and 7" csg scraper to 5275'. SDON. (CCM)

November 16, 1991 Day No. 3

Summary: Cleaned out fill.

Detail: Tagged fill 5470' KB. Established circ w/ 80 Bbls pumped. Got back 1 Bbl green oil and gas cut water. Cleaned out to 5495' KB, losing approx 50% of circ to Entrada perfs. Ran out of water and daylight. Pulled tbg above perfs. SDOWE. (CCM)

November 19, 1991 Day No. 4

Summary: Cleaned out to PBTD.

Detail: Reverse circ sand and shale to 5574' PBTD. TOH w/ bit and scraper. SDON. (CCM)

November 20, 1991 Day No. 5

Summary: Pressure test csg and swab Entrada under packer.

Detail: TIH w/ 7" model 'R' packer on 2-7/8" eue tbg. Set @ 1790' KB. Csg hel 500 psi. Ran pkr to 2100' KB and test csg to 500 psi. Lost 400 psi in one minute. Could not pump in 500. Reset pkr @ 5460' KB. Pressure test csg. Got 2 BPM @ 400 psi. Started swabbing tbg. Recovered 102 Bbls water and a lot of sand. SDON. (CCM)

November 21, 1991 Day No. 6

Detail: Swabbed 85 Bbls Entrada water w/ a lot of sand and a slight skim of oil. Getting slight gas blow during each run. FL stayed @ 900' KB all day. Unset pkr. TOH. SDON. (CCM)

### FEDERAL 12C NO. 1

### November 22, 1991 Day No. 7

Summary: Perf squeeze hole. Set CICR and circulate cement across Entrada formation.

Detail: RU Petro. RIH w/ GR Correlation tool. Tag 5548', ± 26' of fill. Run log. POOH. RIH and perf 2 sqz holes @ 5514'. POH. RIH. Set CICR @ 5509'. POH. TIH w/ stinger on 2-7/8" tbg. Sting in to CICR. Establish circulation behind pipe w/ 43 Bbls. Mix and pump 50 sx class 'H' w/ 2% CaCl (10.5 Bbls). Displace w/ 30.4 Bbls (9 Bbl out CICR, 1.5 Bbl in tbg). Sting out of CICR. Pull to 5365'. Reverse out ± 1 Bbl cement. POOH. (GFS)

### November 23, 1991 Day No. 8

Summary: Drilled out cement.

Detail: TIH w/ 6-1/4" bit and 7" csg scraper on 2-7/8" eue tbg. Tagged cement @ 5365'. Pressure up on csg and pump in @ 1 BPM, 500 psi. Drilled out solid cement all the way to retainer @ 5509' KB. Pressure up on csg and pump in @ 1 BPM, 500 psi. Swabbed 80 Bbls, 100% H<sub>2</sub>O. FL stabilized at 1400' KB. SWI. SDOWE. (CCM)

## November 26, 1991 Day No. 9

Summary: Perforated Entrada and swab under packer.

Detail: Well shut in over weekend. Tbg: 100 psi, csg: 100 psi. FL @ surface. Swabbed 80 Bbls FL to 1500 psi. TOH w/ bit and scraper. RU Petro Wireline. Re-perf Entrada 5483'-5492' KB per density log, 2 SPF. RD Petro. TIH w/ Model 'R' packer on 2-7/8" EUE tbg and set @ 5312' KB. Swabbed 3 hrs. Recovered 92 Bbls fluid. FL started @ 600'. FL stabilized the last hr @ 3000'. Swabbed .5% oil the last hr. SWI. SDON. (CCM)

### November 27, 1991 Day No. 10

Summary: Swab Entrada.

Detail: Swabbed Entrada. Initial FL 700' KB. Swabbed 290 Bbls. FL stayed between 2500' and 3000'. All fluid swabbed was .5% oil, mostly clear water. Occasionally some dirty black water. (CCM)

### December 3, 1991 Day No. 12

Summary: Swab Entrada, prepare to P&A.

Detail: Re-set pkr @ 5,312' KB. Swabbed 145 Bbls water. FL started @ 700'. Stabilized 2500'-3000' KB. We have swabbed 700 Bbls back since squeeze and re-perf job. All fluid 99.5% water. FL 2500'-3000' at swab rate of 720 Bbls/24 hrs. TOH w/ model "R" pkr. TIH w/ tbg. SDON. (CCM)

### FEDERAL 12C NO. 1

December 4, 1991 Day No. 13

Summary: P&A Well.

Detail: Spot first cement plug from retainer 5509' KB to 5329' KB w/ 34 sx cl 'B' cement at 15.6 lb/gal, 2% CaCl. Pulled above cement, loaded the hole w/ 9 lb/gal, 55 sec visc drilling mud. WOC 4 hrs. Tagged cement plug @ 5329' KB. Spot plug #2, 34 sx cl 'B' cement, 1.18 cu ft/sk 15.6 lb/gal from 4542' - 4362' KB. Spot plug #3, 34 sx cl 'B' cement, 1.18 cu ft/sk 15.6 lb/gal from 3294' - 3114' KB. Spot plug #4, 34 sx cl 'B' cement, 1.18 cu ft/sk 15.6 lb/gal from 513' - 333' KB. Spot plug #5, 34 sx cl 'B' cement, 1.18 cu ft/sk 15.6 lb/gal to surface. Layed dn tbg. Top off @ surface w/ 6 sx cement. SDON. (CCM)

Off Report December 5, 1991

Summary: RDMO location. (CCM)