MEWBOURNE OIL COMPANY GONSERLETON DIVISION

P.O. BOX 7698 TYLER, TEXAS 75711 903 - 561-2900 FAX 903 - 561-1870 May 15, 1992

RETE VED **江南田 和 8 52** 

CERTIFIED MAIL RETURN RECEIPT REQUESTED NO. P 960 242 147

State of New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87504

Attention: Mr. David Catanach

Re: Application for Authorization to Inject - Government "K" No. 2 Unit K, Sec. 23, T18S-R32E Lea County, New Mexico

#### Gentlemen:

Enclosed please find the following documents which are submitted in support of our application to convert the subject well to water injection.

- The original and one (1) copy of OCD Form C-108 and all appropriate attachments except for analysis of the proposed injection waters. These waters are currently at a laboratory and results will be forwarded upon completion.
- 2. A copy of analogous information which has been submitted to the BLM in Carlsbad.

Per our phone conversation we do understand that application cannot be administratively approved and request that a hearing be set for June 11, 1992. Also, please be reminded that converting the subject well to injection is being performed an injectivity test in cooperation with potential participants in a proposed Querecho Plains-Bone Spring Unit.

Case 10497

If further information is required, please advise.

Very truly yours,

MEWBOURNE OIL COMPANY

Kevin Mayes
Engineer

KM:qt Enclosures

Copy to: Oil Conservation Division

Hobbs, New Mexico

#### STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

of the earlier submittal.

#### **OIL CONSERVATION DIVISION**

FORM C-108 Revised 7-1-81

POST OFFICE BOX 2000 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 8/501

Page 10497

PPLIC/	ATION FOR AUTHORIZATION TO INJECT	Caa	
I.		y Pressure Maintenance ministrative approval? y	
11.	Operator: Mewbourne O	il Company	
	Address: P. O. Box 7	698, Tyler, Texas 75711	
	Contact party: <u>Kevin Mayes</u>	/Ken Calvert Phone	: (903) 561-2900
111.		equired on the reverse side o ion. Additional sheets may b	
IV.	Is this an expansion of an exist If yes, give the Division order	ting project?	no ct
٧.	Attach a map that identifies all injection well with a one-half mell. This circle identifies the	mile radius circle drawn ar <mark>ou</mark>	
VI.	Attach a tabulation of data on a penetrate the proposed injection well's type, construction, date a schematic of any plugged well	n zone. Such data shall incl drilled, location, depth, re	ude a description of each cord of completion, and
VII.	Attach data on the proposed open	ration, including:	
	<ol> <li>Whether the system is of</li> <li>Proposed average and made</li> <li>Sources and an appropriate the receiving formation</li> <li>If injection is for dispatt or within one mile</li> </ol>	ximum injection pressure; ate analysis of injection flu on if other than reinjected p posal purposes into a zone no of the proposed well, attach mation water (may be measured	id and compatibility with roduced water; and t productive of oil or gas a chemical analysis of
III.	Attach appropriate geological dadetail, geological name, thicknows bottom of all underground source total dissolved solids concentrating ection zone as well as any sinjection interval.	ess, and depth. Give the geo es of drinking water (aquifer ations of 10,000 mg/l or less	logic name, and depth to s containing waters with ) overlying the proposed
IX.	Describe the proposed stimulation	on program, if any.	
х.	Attach appropriate logging and with the Division they need not		ell logs have been filed
XI.	Attach a chemical analysis of fravailable and producing) within location of wells and dates same	one mile of any injection or	resh water wells (if disposal well showing
XII.	Applicants for disposal wells me examined available geologic and or any other hydrologic connect source of drinking water.	engineering data and find no	evidence of open faults
III.	Applicants must complete the "P	roof of Notice" section on th	e reverse side of this form.
XIV.	Certification		· .
	I hereby certify that the information to the best of my knowledge and		plication is true and correct
	Name: Kevin Mayes	Title	Engineer
	Signature: /www. Me	Date:	May 15, 1992

#### III. WELL DATA

- A. 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:
  - (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
  - (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.
  - (3) A description of the tubing to be used including its size, lining material, and setting depth.
  - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

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.

- B. 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.
  - (1) 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.
  - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
  - (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.
  - (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

#### 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 must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) 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 days.

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

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 mailed to them.

#### ITEM III OF NEW MEXICO OCD FORM C-108

INJECTION WELL DATA SHEET

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## ITEM V OF NEW MEXICO OCD FORM C-108 MAP OF ALL WELLS WITHIN 2 MILES OF INJECTOR QUERECHO PLAINS GOVERNMENT "K" NO. 2

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# ITEM VI OF NEW MEXICO OCD FORM C-108 WELLS WITHIN REVIEW AREA WHICH PENETRATE THE 1ST BONE SPRING SAND QUERECHO PLAINS GOVERNMENT R #2 5-12-92/KWM

	, 1150 SX			(1975)						
COMPLETION & COMMENTS	PERF & TEST 10648'-10726 PERF & TEST 10172'-10223' PERF & TEST 9619'-9670' W/ 1150 SX SQZ PERFS 9619'-9670' W/ 1150 SX PERF & TEST 912'-9713' CIBP @ 9560' OPEN PERFS 8283'-8426' RET. BP @ 8506'	OPBN PERPS 8435'-8501'	OPBN PERPS 8446'-8526'	DEEPEN PROM OTD @ 4281' OPEN PERFS 8485'-8552'	OPEN PERPS 8458'-8531'	OPEN PERPS 8362'-8448'	OPEN PERPS 8414'-8447'	OPEN PERFS 8459'-8526'	OPEN PERFS 8474'-8538'	0104 TENES 05491 "0594"
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2444	710	OIL	710	011	710	710	710	011	710	011
LOCATION	T18S, R32E, SEC 23 1850 FML, 990 FWL	T18S, R32E, SEC 23 1980 PNL, 1980 FWL	T18S, R32E, SEC 23 1980 PNL, 1650 PEL	T18S, R32E, SEC 23 2310 FSL, 990 FEL	T18S, R32B, SBC 23 2310 PSL, 2030 PEL	T18S, R32B, SEC 23 1980 PSL, 990 PWL	7185, R328, SEC 23 610 PSL, 760 FWL	718S, R32B, SBC 23 760 PSL, 2310 PWL	7185, R328, SEC 23 660 FSL, 1980 FEL	T185, R32E, SEC 26 660 PNL, 1980 FWL
798/8897	NURJO FED #1	CEDAR LAKE PED #2	PBD L#3	FBD L#7	PED L#2	FED F#3	QUERRCHO FED #1	QUERRCHO FED #2	PED L#1	SPRINKLE FED #2
OPERÁTOR	MANZANO OIL CO.	MERWBOURNE OIL CO.	MERWEDURNE OIL CO.	KERWBOURNE OIL CO.	KERMBOURNE OIL CO.	MERWBOURNE OIL CO.	MARSHALL & WINSTON INC.	MARSHALL & WINSTON INC.	MERMBOURNE OIL CO.	KKATHON

# ITEM VII OF NEW MEXICO OCD FORM C-108 DATA ON PROPOSED OPERATIONS QUERECHO PLAINS GOVERNMENT K #2 5-12-92/KMM

- ITEM VII (1) Proposed maximum injection rate is 800 bwpd/injector.
- ITEM VII (2) The injection system will be operated as a closed system.
- ITEM VII (3) The injection pressure will be held to a maximum of 1690 psi (0.2 psi/ft \* 8454'). If no detriment is seen from this pressure then administrative approval may be requested for higher pressures.
- ITEM VII (4) The source of injection water will be produced water from the Bone Spring, Delaware and/or Queen formations. If additional water is required the city of Carlsbad will be approached for a tap on their Caprock system. A copy of the water analyzes is attached.
- ITEM VII (5) Not applicable.

# ITEM VIII OF NEW MEXICO OCD FORM C-108 GEOLOGIC DATA ON THE INJECTION ZONE & UNDERGROUND DRINKING WATER QUERECHO PLAINS GOVERNMENT K #2 5-12-92/KMM

The zone being targeted for water injection at Querecho Plains is the First Bone Spring sand at depths from 8328'-8620' in the well Federal L NO. 4, Section 23, T18S, R32E. The First Bone Spring sands are a sequence of well consolidated sandstone, siltstone, and shale strata, with localized carbonate deposition, of Permian age cemented with calcareous material. An eight percent porosity cut off is use to determine net pay as porosity less than eight percent is considered impermeable at the existing and proposed reservoir pressure and reservoir fluid regimes. Impermeable carbonate deposits exist above and below the targeted sands thus defining the permeable limits of the reservoir. All injected fluids should remain in the reservoir with the exception of cycling to the surface though wellbores.

Based on communications with the New Mexico State Engineer's Roswell office (Ken Fresquez) and OCD files at Hobbs there appears to be only one fresh water well within T18S & R32E. This well's total depth was 270' and is located in the NW, NW, SE, SE, NW of section 20. The source strata tapped by this well is the Triassic "Red Beds" and the only other strata Mr. Fresquez referred to as potentially fresh was the Alluvium which is shallower than the "Red Beds". There are no known fresh water strata underlying the Bone Spring.

## ITEMS IX THROUGH XII QUERECHO PLAINS GOVERNMENT K #2 5-12-92/KMM

- ITEM IX. Government K #2 has an existing fracture stimulation and it is assumed that the well will be treated with acid at least once during the life of injection.
- ITEM X. All logging and test data for the existing wellbores already exists on file with the state of New Mexico Oil Conservation Division (OCD) and will not be resubmitted with this application.
- ITEM XI. As stated in ITEM VIII, it appears the only strata within one mile of our proposed unit which contains water of possible drinking quality is confined to 270' and shallower. No contamination of this drinking water should occur as all existing wellbores which penetrate the Bone Spring in the proposed area have surface casing set at a minimum depth of 350' with cement completely circulated behind this casing from setting depth to surface. In addition and to the best of my knowledge there are no fresh water wells within one mile of this proposed injector.
- ITEM XII. After reviewing the geology of the Bone Spring Sand strata in a one and one-half mile radius around the proposed unit area, no evidence appears of fractures or any hydrologic connection between the target sands and any overlying or underlying strata.

# MEWBOURNE OIL COMPANY APPLICATION FOR AUTHORIZATION TO INJECT GOVERNMENT "K" NO. 2 LEA COUNTY, NEW MEXICO

#### CERTIFICATE OF SERVICE

I, Kevin Mayes, Engineer, Mewbourne Oil Company, Operator of the Government "K" No. 2, have on this 15th day of May 1992, mailed or caused to be mailed, postage prepaid a copy of the Application for Authorization to Inject to the following persons at the address shown:

#### LAND OWNER

Bureau of Land Management P. O. Box 1397 Roswell, New Mexico 88220

#### OFFSET OPERATORS

Ken Barbee
Monzano Oil Corporation
P. O. Box 2107
Roswell, New Mexico 88202-2107

Edith Petty
Esperonza Energy Corporation
17400 Dallas Parkway, Suite 210
Dallas, Texas 75287-7399

C. W. Stumhoffer General Operating Company 1007 Ridglea Bank Building Fort Worth, Texas 76116

Tom Brandt
Marshall & Winston, Inc.
P. O. Box 50880
Midland, Texas 79710-0880

Clarence Forister Frostman Oil Company/Happy Oil Company P. O. Drawer W Artesia, New Mexico 88210

> Kevin Mayes Engineer

Subscribed in my presence and duly sworn to before me on this 15th day of May, 1992.

GAYLON THOMPSON
Newsy Public State of Tense
Ny Comm. System Assess

Notary Public in and for Smith

County, Texas

P.O. BOX 7698
TYLER, TEXAS 75711
903 - 561-2900
FAX 903 - 561-1870
May 15, 1992

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
NO. P 960 242 152

Marshall & Winston, Inc. P. O. Box 50880 Midland, Texas 79710-0880

Attention: Mr. Tom Brandt

Re: Application for Authority to Inject - Government "K" No. 2 1950' FSL & 1980' FWL Sec. 23, T18S-R32E Lea County, New Mexico

Dear Mr. Brandt:

Attached is Mewbourne Oil Company's application requesting approval to inject water in the Government "K" No. 2 well located at the above captioned location.

This application will be heard June 11, 1992 at the Division's office in Santa Fe, New Mexico. Any objections to the application should be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87504-2088 within fifteen (15) days.

If you have any questions regarding this application, please contact me or Ken Calvert at (903) 561-2900.

Very truly yours,

MEWBOURNE OIL COMPANY

Kevin Mayes
Engineer

KM:gt Attachments

P.O. BOX 7698

TYLER, TEXAS 75711

903 - 561-2900

FAX 903 - 561-1870

May 15, 1992

## CERTIFIED MAIL RETURN RECEIPT REQUESTED NO. P 960 242 151

General Operating Company 1007 Ridglea Bank Building Fort Worth, Texas 76116

Attention: Mr. C. W. Stumhoffer

Re: Application for Authority to Inject - Government "K" No. 2 1950' FSL & 1980' FWL Sec. 23, T18S-R32E Lea County, New Mexico

Dear Mr. Stumhoffer:

Attached is Mewbourne Oil Company's application requesting approval to inject water in the Government "K" No. 2 well located at the above captioned location.

This application will be heard June 11, 1992 at the Division's office in Santa Fe, New Mexico. Any objections to the application should be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87504-2088 within fifteen (15) days.

If you have any questions regarding this application, please contact me or Ken Calvert at (903) 561-2900.

Very truly yours,

MEWBOURNE OIL COMPANY

Hvin Mayer

Kevin Mayes Engineer

KM:gt
Attachments

P.O. BOX 7698 TYLER, TEXAS 75711 903 - 561-2900 FAX 903 - 561-1870 May 15, 1992

CERTIFIED MAIL RETURN RECEIPT REQUESTED NO, P 960 242 150

Frostman Oil Company/Happy Oil Company P. O. Drawer W Artesia, New Mexico 88210

Attention: Mr. Clarence Forister

Re: Application for Authority to Inject - Government "K" No. 2 1950' FSL & 1980' FWL Sec. 23, T18S-R32E Lea County, New Mexico

Dear Mr. Forister:

Attached is Mewbourne Oil Company's application requesting approval to inject water in the Government "K" No. 2 well located at the above captioned location.

This application will be heard June 11, 1992 at the Division's office in Santa Fe, New Mexico. Any objections to the application should be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87504-2088 within fifteen (15) days.

If you have any questions regarding this application, please contact me or Ken Calvert at (903) 561-2900.

Very truly yours,

MEWBOURNE OIL COMPANY

Kevin Mayes

Engineer

KM:qt Attachments

P.O. BOX 7698

TYLER, TEXAS 75711

903 - 561-2900

FAX 903 - 561-1870

May 15, 1992

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
NO. P 960 242 149

Esperonza Energy Corporation 17400 Dallas Parkway, Suite 210 Dallas, Texas 75287-7399

Attention: Ms. Edith Petty

Re: Application for Authority to Inject - Government "K" No. 2 1950' FSL & 1980' FWL Sec. 23, T18S-R32E Lea County, New Mexico

Dear Ms. Petty:

Attached is Mewbourne Oil Company's application requesting approval to inject water in the Government "K" No. 2 well located at the above captioned location.

This application will be heard June 11, 1992 at the Division's office in Santa Fe, New Mexico. Any objections to the application should be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87504-2088 within fifteen (15) days.

If you have any questions regarding this application, please contact me or Ken Calvert at (903) 561-2900.

Very truly yours,

MEWBOURNE OIL COMPANY

Kevin Mayes
Engineer

KM:gt
Attachments

P.O. BOX 7698 TYLER, TEXAS 75711 903 - 561-2900 FAX 903 - 561-1870 May 15, 1992

CERTIFIED MAIL RETURN RECEIPT REQUESTED NO. P 960 242 148

Monzano Oil Corporation P. O. Box 2107 Roswell, New Mexico 88202-2107

Attention: Mr. Ken Barbee

Application for Authority to Re: Inject - Government "K" No. 2 1950' FSL & 1980' FWL Sec. 23, T18S-R32E Lea County, New Mexico

Dear Mr. Barbee:

Attached is Mewbourne Oil Company's application requesting approval to inject water in the Government "K" No. 2 well located at the above captioned location.

This application will be heard June 11, 1992 at the Division's office in Santa Fe, New Mexico. Any objections to the application should be filed with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87504-2088 within fifteen (15) days.

If you have any questions regarding this application, please contact me or Ken Calvert at (903) 561-2900.

Very truly yours,

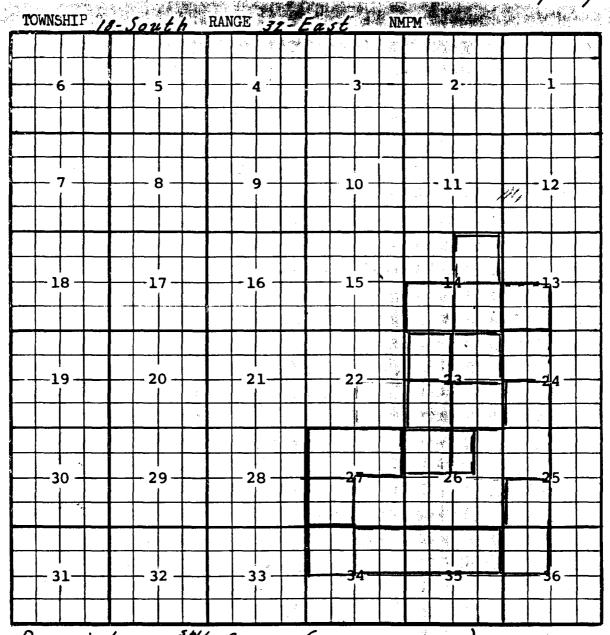
MEWBOURNE OIL COMPANY

Mayer Kevin Mayes

Engineer

KM:qt

Attachments



Description: 54/4 Sec. 27, (R-1424, 7-1-59).

Ext. Ny Sec. 34 (R-5987, 4-1-79) Rediscipanted "Upper" Bome Springs with westered limits at 9390'- 8180' (R-6352-A, 2-21-80)

Ext: NE/Sec. 34, N/2 Sec. 35 (R-7396, 12-8-87) Ext: N/2 Sec. 2> (R-8024,8-20-85)

Ext: NW/4 Sec. 26 (R-9041, 10-3-85)

Ext: SW/4 Sec. 23, 56/4 Sec. 25, 6/2 NE/4 Sec. 26, NW/4 Sec. 36 (R-8214,5-1-86)

Ext: SW/4 Sec. 24, NW/4 Sec. 25, 6/2 NE/4 and 5/2 Sec. 26, 56/4 Sec. 27 (R-8233, 5-29-86)

Ext: SW/4 Sec. 13 (R-8277,8-14-86) Ext: 56/4 Sec. 22 (R-8340, 11-3-86)

Ext: NW/4 Sec. 23 (R-8409, 3-7-87) Ext: NE/4 Sec. 23 (R-8533, 10/28/87)

EXT: SW/4 Sec. 13 (R-8856, 1-29-89) EXT: SE/4 Sec. 14 (R-8901, 4-1-89)

EXT: SW/4 Sec. 13 (R-8946, 7-1-89) EXT: NW/4 Sec. 24 (R-9741, 94-89) EXT: NE/45ec 14, (R-9120, 3-1-90)

Submit 5 Co. es
Appropriate District Office
DISTRICT! P.O. Box 1980, Hobbs, NM 88240

State of New Mexico

Energy, Minerals and Natural Resources Department  $01L_{CONSER}$ 

51111	31011
THE DIAL	Form C-104
	Revised 1-1-89
JED	See Instructions
4.0	at Bottom of Page

DISTRICT II	O	IL CC	)NSER V <i>a</i>	TION I	DIVISIO	N	cm 1	$0  a_{2a}$	an or rage
P.O. Drawer DD, Artesia, NM 88210		C	P.O. Be	ox 2088	4 0000	OD APR	$L_{1}$ inc.	•	
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410	REQUE	Sant ST FOE	P.O. BA P.O. BA Fe, New MA RALLOWAE	RIFANDA	4-2088 '	YE III ZATION			
<b>I.</b>			SPORT OIL						
Operator  MEWBOURNE OIL					<del></del>	Well A			
Address					<del>~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~</del>	30	-025-29	9749	
P. O. Box 7698  Reason(s) for Filing (Check proper box)	, Tyle	r, Tex	kas 7571.		- (Diama amala				
New Well	c	hange in Tr	ansporter of:		et (Piease expla	un)			
Recompletion	Oil	D	ry Gas 🔲	* Eff	ective	date A	pril 1	. 1992	
Change in Operator IIII	Caninghead (		ondensate						
and address of previous operator BON	NEK PL	OWBING	G INC.,	RT. 4,	BOX 866	, LUBE	OCK, T	K. 704	24
II. DESCRIPTION OF WELL				<del></del>	<del></del>				
Lease Name GOVERNMENT "K"	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		oo <b>l Name, Includi</b> Querecho E	-	per Bone		of Lease Pederal <b>moltue</b> x	USA-N	
Location			~		rings			105549	6/
Unit Letter K	. 195	<u>0                                    </u>	eet From The S	OUTH Line	and 19	980 Fe	et From The	WEST	Line
Section 23 Township	185	P	ange 32E	N/A	лРМ.		LEA		County
					11 141,				County
III. DESIGNATION OF TRANS Name of Authorized Transporter of Oil		OF OIL				• • • • • •	edice.		-1
Enron Oil Trading & Tra			11	1	e <i>address to wh</i> 18, Houst				ni)
Name of Authorized Transporter of Casing			Dry Gas		e address to wh				nt)
GPM Gas Corporation					ville, C				
If well produces oil or liquids, give location of tanks.	,	•	wp.   Rge. 185  32E	is gas actually Yes		When	? !-19-86		
f this production is commingled with that i	<del> </del>						15 00		
V. COMPLETION DATA		r	<del></del>	·		,			
Designate Type of Completion		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl.	Ready to P	rod.	Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Proc	ducing Form	ation	Top Oil/Gas I	Pay		Tubing Depth	<del></del>	
Perforations	<u> </u>						Depth Casing	Shoo	
reitorations							Depth Casing	21106	
	TU	BING, C	ASING AND	CEMENTIN	NG RECOR	D			
HOLE SIZE	CASI	NG & TUBI	NG SIZE		DEPTH SET		S/	ACKS CEM	NT
			<del></del>					<del> </del>	
V. TEST DATA AND REQUES	T FOD AL	LOWAR	I F						
OIL WELL (Test must be after re				be equal to or	exceed top allo	wable for this	depth or be for	r full 24 hour	s.)
Date First New Oil Run To Tank	Date of Test			Producing Me	thod (Flow, pu	mp, gas lift, et	c.)		
Length of Test	Tubing Press	ure		Casing Pressu	re		Choke Size		. <del></del>
Actual Prod. During Test	Oil - Bbls.	•		Water - Bbis.		i	Gas- MCF		
GAS WELL	L						L		
Actual Prod. Test - MCF/D	Length of Te	st		Bbls. Condens	nate/MMCF	· <del></del>	Gravity of Co	ndensate	· <del></del>
	Tukina Basa	or Charles		C	- (Cl !=\		Choke Size	<del></del>	
Testing Method (pitot, back pr.)	Tubing Press	are (Suut-m	,	Casing Pressu	re (Snut-In)	•	Choke Size		
VI. OPERATOR CERTIFIC	ATE OF (	COMPL	IANCE			055:			. h. l
I hereby certify that the rules and regula	ations of the O	il Conservat	ion		OIL CON	SERVA			N
Division have been complied with and t is true and complete to the best of my k			adove /	D-1-	Anne	4	APR	1 3 '92	
Mr. Last	ر 24ءءء س	/	_/	13aī <del>0</del> 	Approve	ـــــــــــــــــــــــــــــــــــــ	11		<del></del>
Signature	June	un	<u></u>	∥ By_	Less	ipse	1		
Gaylon Thompson, E	ingr!Op		ecretary	)	1	1	CHOCO	MCOD	
Printed Name April 8 1992	(903) 5		itle N N	Title.	v UIS	INTO!	LSUPER	AIPOK	

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

(903)

April\_

1992

1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.

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

Title -2900

Telephone No.

- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Form 3160-5 (November 1983) (Formerly 9-331)	DEPARTMEN'	TED STATES T OF THE INTERIC LAND MANAGEMENT	SUBMIT IN TRIPLICATES (Other lostructions on reverse side)	Budget Burcau 1 Expires August 5. LEASE DESIGNATION USA-NM-05	31, 1985 AND BERIAL NO.
(Do not use	JNDRY NOTICES this form for proposals to Use "APPLICATION	AND REPORTS C drill or to deepen or pulse to FOR PERMIT—" for such pre	N WELLS SaitS Edifferent Refervoir. Possals. REC VED	6. IF INDIAN, ALLOTTEE	
1. OIL GAS			orn ar 0m 10 02	7. UNIT AGREEMENT NA	ME
WELL WEI		<u>'91</u>	SEP 16 AM 10 02	8. PARM OR LEASE NAM	£
Bonner Pl				Governmen	
3. ADDRESS OF OPER				9. WBLL NO.	
	x 866, Lubboch			2	
See also space 17		and in accordance with any	tate requirements.*	10. (MEEDOME POOL, OF QUECHERO I	WILDCAT lains
At surface			:	11. stepper x.Born	-14
10K0 79	L & 1980 FWL			SURVEY OR AREA	LE. IND
1950 18.	г∝ таоо тмт			Sec. 23 T-	185 R-32
14. PERMIT NO.	15.	ELEVATIONS (Show whether DF,	RT, GR, etc.)	12. COUNTY OR PARISH	
		GR-3770		Lea	NM
16.	Chack Approp		ature of Notice, Report, or O	Mar Data	
	NOTICE OF INTENTION T			ENT EMPORT OF:	
	L]	r—	BUBBEQU	ENT EMPORT OF:	()
TEST WATER SH		R ALTER CASING	WATER SHUT-OFF	REPAIRING W	1—1
FRACTURE TREAT SHOOT OR ACIDIZ	<b> </b>	LE COMPLETE	PRACTURE TREATMENT SHOOTING OR ACIDIZING	ALTERING CA	1—1
REPAIR WELL	1	E PLANS	(Other)	Add Perfs	·· —
(Other) Ap	D PERFS.	×	(Norm: Report results	of multiple completion etion Report and Log for	on Well
17. DESCRIBE PROPOSE proposed work nent to this wo	ED OR COMPLETED OPERATION  If well is directionally	s (Clearly state all pertinent	details, and give pertinent dates, one and measured and true vertica	including estimated date	of starting any
9-11 91 9-12-91	Set cast iro cement and c	ome up hole and	TBG, TAC & SN 100 ft. above the 1 prepare to perf ft. Acidize, swab,	upper format	ion.
				CARLSON CARROE AREA MENTING TO THE PROPERTY OF	AUG 30 ID 20 MY 91
18. I hereby certify,	that the foregoing is true	and correct	rendent	DATE 8-	29.91
(This space for	Federal or State office use				
APPROVED BY CONDITIONS O	The Higher work gar F APPROVAL, IF ANY:	Informed TITLE	TETROLOUM ENGINEER	DATE 9	9/9

STATE OF NEW MEXICO		•		•	
ENERGY AND MINERALS DEPARTMENT	Art. Market			Form C-104	
100. 00 (porte sectives **			•	Revised 10-01-	78
DISTRIBUTION	COLLEGNSERV	ATION DIVISION	ON	Format 06-01-8 Page 1	3
FILE IN SIGNAL	1 7 1 ME 11 11	OX 2088		raya .	
U.S.O.S.	SANTA FE. NE	W MEXICO 87501	l		·
LAND OFFICE	11111				•
THANSPORTER OIL JUN 27	1988 1111				
OPERATOR OPERATOR	REQUEST F	OR ALLOWABLE			_
PROBATION OFFICE	. 17 1 1 10	AND			•
S/AUTI	ḤỌRIZATION TO TRAN	SPORT OIL AND NATI	URAL GAS		
Operator	.7	· · · · · · · · · · · · · · · · · · ·	<del></del>		
Bonner, Plumbing Inc					
Address		·			
Rt. 4 Box 866 Lubbo	note Morroe Role	) J <sub>1</sub>			• •
Reason(s) for filing (Check proper box)	ock. Texas your	Other (Pleas	se explain)	<del></del>	<del></del>
	nge in Transporter ol:		ange Operato	or name to	
<b>—</b>		Dry Gas Bonne	r Plbg. Inc.	or riame (o)	
	<del></del>	Condensate		•	
		<del></del>	<del>- Julie</del> e	nway -rlaza	<del></del>
If change of ownership give name	ship oil Produce	ny voser Inc.	· 우성공부모	2000 Tx.77-04	
and address of previous ownerNUDLI	Trocacing "exa	s=New Mexico	Inc. House	3234	
I DESCRIPTION OF WELL AND LEASE	•				•
II. DESCRIPTION OF WELL AND LEASE	No. Pool Name, Including	Formation	Kind of Lease	<del></del>	Lease No.
Legae Name   Well				•	USA-N.
	. Ouerecho D	laing-Unnon Po	State, Federal or Fe	•Federal :	OOM-W
Government K 2	Querecho P	lains-Upper Bo	State, Federal or Fe	•Federal	
Government K 2		5.5	7 11180	•	055496°
Government K 2	Querecho Pi	5.5	State, Federal or Fe	•	
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Government K 2 Location Unit Letter K : 1950 Feet	1 From The South L	ine and <u>1980</u>	Feet From The	•	
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Government K  Location  Unit Letter K: 1950 Feet  Line of Section 23 Township 18  III. DESIGNATION OF TRANSPORTER ( Name of Authorized Transporter of Oil   Koch Service Inc.  Name of Authorized Transporter of Casinghead Government of Authorized Transporter of Casinghead Government of Casinghead	OF OIL AND NATURA or Candensote  or Dry Gas  Sec. Twp. Rge. 123 18-S 32- om any other lease or pool orse side if necessary.  Dil Conservation Division have	Address (Give address  Address (Give address  P.O. Box. 210  Is gas actually connect  yes  Give commingling order  This form is the form must tests taken on the	Feet From The  M. Lea  1 to which approved con  1 to which approved con	py of this form is to idge. Tx. 76 py of this form is to 88246  19-86  DIVISION  CTOR  Lance with Rule for a newly drilled by a tabulation of with Rule 111.	County  be sent)  SO24 be sent)  1104. I or deepene the deviation
Government K  Location  Unit Letter K: 1950 Feet  Line of Section 23 Township 18  III. DESIGNATION OF TRANSPORTER ( Name of Authorized Transporter of Oil   Koch Service Inc.  Name of Authorized Transporter of Casinghead Government of Authorized Transporter of Casinghead Government of Casinghead	OF OIL AND NATURA or Candensote  or Dry Gas  Sec. Twp. Rge. 123 18-S 32- om any other lease or pool orse side if necessary.  Dil Conservation Division have	Address (Give address  Address (Give address  P.O. Box. 210  Is gas actually connect  yes  Give commingling order  This form is the same of the same of the same of the same of the All sections or the same of th	Feet From The  M. Lea  1 to which approved con  2 to which approved con  3 to which approved con  4 to which approved con  2 to which approved con	py of this form is to idge. Tx. 76 py of this form is to 88246  19-86  DIVISION  CTOR  Lance with Rule for a newly drilled by a tabulation of with Rule 111.	County  be sent)  SO24 be sent)  1104. I or deepene the deviation
Government K  Location  Unit Letter K: 1950 Feet  Line of Section 23 Township 18  III. DESIGNATION OF TRANSPORTER ( Name of Authorized Transporter of Oil   Koch Service Inc.  Name of Authorized Transporter of Casinghead Go  Phillips 66 Natural Gas Co  If well produces oil or liquids, give location of tanks. K  If this production is commingled with that from  NOTE: Complete Parts IV and V on rever  VI. CERTIFICATE OF COMPLIANCE  Thereby certify that the rules and regulations of the Obeen complied with and that the information given is transported.  Complete Parts IV and V on Tever  VI. CERTIFICATE OF COMPLIANCE  Thereby certify that the rules and regulations of the Obeen complied with and that the information given is transported.  Complete Parts IV and V on Tever	OF OIL AND NATURA or Candensote  or Dry Gas  Sec. Twp. Rge. 123 18-S 32- om any other lease or pool orse side if necessary.  Dil Conservation Division have	APPROVED  Title OIL O  This form in the state taken on how and residence in the state on new and residence in the state of the st	Feet From The  M. Lea  1 to which approved con  2 to which approved con  3 to which approved con  4 to which approved con  2 to which approved con	py of this form is to idge. Tx. 70 py of this form is to 88246  19-86  DIVISION  CCTOR  Ance with RULE for a newly drilled y a tabulation of with RULE 111.  Gilled out complet	County  be sent)  5024 be sent)  1104. I or deepene the deviation be sent of the sent of t

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

#### STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

BB. BF (8FICE SEC	-	Т	
DISTRIBUTI	ON	T	
SANTA PE			Т
FILE			
U.1.G.S.			
LAND OFFICE			
THANSPORTER	OIL		
	GAS		
OPERATOR			L
PRORATION OF	ICE		

Secretary-Treasurer

(Date)

#### OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

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

Fill out only Sections I, II, III, and VI for changes of owner, cell name or number, or transporter, or other such change of condition.

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

## REQUEST FOR ALLOWABLE

	AND
PROPATION OFFICE AUTHORIZATION TO	TRANSPORT OIL AND NATURAL GAS
<u>l.</u>	
Operator	
Sonship Oil Producing & Operating, I	nc.
Address	<b>2</b>
8416 Wayne Averge, Lubbock, Texas 79	
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well Change in Transporter of:	
Recompletion THE STATION	Producing Texas & New Mexico, Inc.
X Change in Ownership Y! Castnghead Gas.	Condensate
If change of ownership give name Moid Product of mas	0 1111
and address of previous owner Mobili Producing Tex	as & New Mexico, Inc., 9 Greenway Plaza, Ste. 2700,
645	Houston, Texas 77046
II. DESCRIPTION OF WELL AND LEASE	
Legae Name Well No. Pool Name, Inc.	TICA NIM
	Plains Upper Bone Spriggete, Federal or Fee Federal USA-NM 0554967
Location	
Unit Letter K; 1950 Feet From The Sout	h Line and $1980$ Feet From The West
•	
Line of Section 23 Township 18-S Rai	nge 32-E NMPM, Lea County
TI DESCRIPTION OF THE CHIPDODEST OF STREET	
Name of Authorized Transporter of Oil X or Condensate	Address (Give address to which approved copy of this form is to be sent)
Koch Service, Inc.  Name of Authorized Transporter of Casinghead Gas (X) or Dry Gas	P.O. Box 1558, Breckenridge, Texas 76024  Address (Give address to which approved copy of this form is to be sent)
	P.O. Box 2105, Hobbs, New Mexico 88240
Phillips 66 Natural Gas Company Unit Sec. Twp.	Rge. Is gas actually connected? When
If well produces oil or liquids,	32-E Yes 12/19/86
<u> </u>	
If this production is commingled with that from any other lease of	r pool, give commingling order number:
NOTE: Complete Parts IV and V on reverse side if necessar	ν.
	n
VI. CERTIFICATE OF COMPLIANCE	OIL CONSERVATION DIVISION
The state of the state of the control of the City Communication of the City Communication Division	ADD 9 9 1000
I hereby certify that the rules and regulations of the Oil Conservation Divisibeen complied with and that the information given is true and complete to the	
my knowledge and belief.	BY auto Kaun
Λ	TITLE Geologist
// // // // // // // // // // // // //	TITLE GOODSING
	This form is to be filed in compliance with MULE 1104.
Sommy tenson	If this is a request for allowable for a newly drilled or deepend
(Signature)	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 silon
(Title)	shie on new and recompleted wells.

IV. COMPLETION DATA								••	
Designate Type of Completi	on - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Restv.	Diff. Rest
Date Spudded	Date Compl.	Ready to Pr	od.	Total Depti	1		P.B.T.D.	<del></del>	<u> </u>
Elevations (DF, RKB, RT, GR, etc.;	Name of Pro	oducing Form	otion	Top Oll/Go	в Рау		Tubing Dep	ıh	
Perforations	_1			1			Depth Castr	ng Shoe	
		TUBING, C	LASING, AN	D CEMENTI	NG RECOR	)			
HOLE SIZE	CASIN	G & TUBIN	IG SIZE		DEPTH SE	T	SA	CKS CEMEN	17
	<del> </del>	<del></del>	<del> </del>	-			-		
	<u> </u>			1					
V. TEST DATA AND REQUEST OIL WELL	FOR ALLO	WABLE (7	'est must be a blo for this de	fer recovery	of total volum full 24 hours	ne of load oil	and must be e	qual to or exc	red top allo:
Date First New Oil Run To Tanks	Date of Tee	C .		Producing N	dethod (Flow,	pump, gas l	ift, etc.)		
Length of Test	Tubing Free	ewe		Casing Pre	ssure		Choke Size		
Actual Prod. During Test	Oll-Bblu.			Water - Bbis	•		Gas - MCF		<del></del>
GAS WELL	<u> </u>	<del></del>							
Actual Pros. Test-MCF/D	Length of To	sot		Bbis. Cond	negte/MMCF		Gravity of C	Condensate	
Testing Mothed (pitot, back pr.)	Tubing Pres	sure (Simit-	(a)	Casing Pres	swe (Shut-	in)	Choke Size		

See Instructions on Reverse Side

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#### TLIME UP ILEW MEXICO ENERGY MO MINERALS DEPARTMENT

Authorized Agent

3/27/87

(Tule)

(Date)

PO. 04 10740 008	1740		
DISTRIBUTE	Del	I	Ī
BANTA FE			
FILE			
V.S.O.S.			
LAND OFFICE			
TRAMPPORTER	DIL		
	8 44		
CPERATOR			
PRORATION OFF	168		

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-104 Revised 10-01-78 Format 06-01-63

## REQUEST FOR ALLOWABLE

PRODATION OFFICE	AUT	HORIZA	ATION TO		ND PORT OIL	AND NATU	IRAL GAS			
Mobil Produci	ng TX &	NM I	nc.		<del></del>		<del></del>		<del></del> -	
9 Greenway Pl	aza, Su	ite 2	700, H	ouston,	TX 7	7046				
Reason(s) for filing (Chack proper box New Well Recompletion Change in Ownership		go in Tr Dil Casinghi	ensporter (		y Ges ndensate	Other (Pleas	z esplain)		·	
If change of ownership give name and address of previous owner		<del> </del>	·							· · · · · · · · · · · · · · · · · · ·
Government "K"	2	ı		ho Plai			Kind of Lease State, Federal	or Fee	federal	UAS-NM 0554967
Unit Letter K : 19	150 Feet	From T	<b>S</b> 0	uth		Spring 180	Feet From Ti	W	est	0334307
Line of Section 23 To	wnship	18 <b>-</b> S	1	Nange 3	2-E	, NMPN	<u>,                                     </u>	.ea		County
III. DESIGNATION OF TRANS	PORTER (	OF OIL	AND N	ATURAL	GAS					
Koch Service, Inc.		or Conde	naste _		Address (	). Box 15	58, Brecke	nrida	e. TX 760	)24
Name of Authorized Transporter of Co Phillips 66 Natural G		• 🗆	er Dry G	•• 🗀			.05, Hobbs			o be sensj
If well produces all or liquids, give location of tanks.	Unit K	<b>Sec.</b> 23	Twp. 18-S	Rge. 32-E	is gas ect yes	ually connect	ed? When	12/1	9/86	
If this production is commingled with					fine comm	ingling orde	r number:			
NOTE: Complete Parts IV and VI. CERTIFICATE OF COMPLIA I hereby certify that the rules and regulat	NCE		<u> </u>		4884		ONSERVATI	ION DI	VISION	
been complied with and that the informati my knowledge and belief.					DY	len	MAKE	1.19	87	
					TITLE	DISTR	CT 1 SUP	ERVIS	OR	

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

If this is a request for allowable for a newly drilled or despened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with AULE 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. Separate Forms C-104 must be flied for each pool in multiply completed wells.

V. COMPLETION DATA								
Designate Type of Completion	ou - (X)	Gas Well	New Well	Workover	Deepen	Plug Back	Same Restv.	DIIL Res'v
Dete Spudded	Date Compl. Ready to Pr	104.	Total Depth			P.B.T.D.	<del></del>	
Elevetions (DF, RKB, RT, GR, etc.,	Name of Producing Formation		Top QU/Ge	s Pey	<del></del> .	Tubing Depth		
Periorations	<u> </u>	<del></del>				Depth Casts	ng Shoe	
	TUBING,	CASING, ANI	CEMENTI	NG RECOR				
HOLE SIZE	CASING & TUBI	NG SIZE		DEPTH SE	٢	\$4	CKS CEMEN	17
	<del> </del>		<u> </u>	<del></del>		<del></del>		
7. TEST DATA AND REQUEST	FOR ALLOWABLE OF	Feet must be a tible for this de	fier recovery o	of total volum full 24 hours	ne of load oil	and must be e	qual to or esc	seé tep allow
Date First New Oil Run Te Tenks	Date of Test		Producing h	lethes (Fiew,	pump, gas i	ift, etc.)		·
Length of Tool	Tubing Proceure		Casing Pres	ewe.	•	Chere Size		
Actual Prod. During Tool	Oil-Bhis.		Weter - Bbis.	•	-	Gas-MCF		
AS WELL	<del> </del>				,			
Actual Pres. Teet-MCF/D	Length of Test		Bale. Conde	negle/AMCF		Crevity of C	Condensate	
Testing Method (puot, back pr.)	Tubing Pressure (Shut-	is }	Cesing Pres	ewe (Shet-	زهد	Chete Sise		



(formerly 9-330)	DEPAR			STAT				SUPLICATION OF THE PROPERTY OF		Expire	s Aug	su No. 1004-0137 ust 31, 1985
HC1.		REAU C					OF		side)	ì		100 AND SERIAL NO.
WELL CO	MPLETION	OR R	RECON	APLETI	ON R	EPORT A	RY	Loc				TES OR THISS NAME
14 TYPE OF WEL	L: ost	i.e. 🔯	WELL.	7		Other	16.6	er de		7. PHIT ACE	EMBR	PAME
TYPE OF COM		Kr.	BACK [	7 9155		DE DE	$c_{0}$	2 19ac		N PARM OR	LEAGE	NAMB.
2. FARE OF OPERAT	02					Dica	<u>`</u>	- /586	<u>, , , , , , , , , , , , , , , , , , , </u>	Gover	nmer	nt "K"
MODII	Producing	IX & N	MM Inc	•	<del></del>	E3 0157	ં હ	N.M.		9. WELL NO.		
	nway Plaza							ا دیکارو میں بو ہو	N. Caper		p Poor	Plains Upper
4. IACATION OF WELL	50 FSL &	1980'	FWL	ccordunce	with eng	y Blate requir	C			11. SEC., T.,	B., W.,	Bone Spring
At top prod. into	erval reported b	elow Sa	ame as	surfa	ice					Sec.		T-18-S, R-32-
At total depth	Same as s	surface	e			, , -					,	•
				14. PBI	BUIT NO.	. [		1881 ED 3-86		12. COUNTY PARISH Lea	OR	New Mexico
5. DATE SPUDDED	16. DATE T.D.	1		COMPL.		prod.) 18.			r, BKB,	RT, GB, BTC.)*	19.	ELEV. CASINGERAD
9-19-86	10-6-8	UG, BACK T.		-  -86	IF MILL	TIPLE COMPL.		-3770	RVAL.S	BOTARY TO	LE	CABLE TOOLS
8900		8856	<u>-</u>		NOW. N			DRIL	LED BY →	X		<u> </u>
8454-8517					NAME (M	ID AND TYD)*					2	5. WAS DISECTIONAL SURVEY MADE
G. TYPE BLECTRIC A	ND OTHER LOCA	BUN		<del></del>		1 Cuand	Mic	no Guar			27. 1	NO TORRO
Spectral D	Density Du	al Spa				ort ell strings			<u> </u>			
CABING BIEE	WEIGHT, LB.	/97. 1	SPTH BE	T (MD)	HO	LE SIZZ	1	каз		RECORD		AMOUNT PULLED
13-3/8"	<u>48#</u> 23# &	22#	70 480		1	1/2" 1/4"				CALCHL &		
8-5/8"		32#	400	<u> </u>		7/8"	<u> </u>	<u> </u>				
9.		LINER I	PECOPD					30.		TUBING REC	OPT	
9188	TOP (MD)	BOTTOM		BACKS CI	MENTO	BCSESH (M	D)	912E		DEPTH SET (1		PACEER SET (MD)
5-1/2"	4408'	890	00'	900x	: Н			2-7/8		8556'		8314
1. PERFORATION REC	COLD (Interval, e	ise and n	umber)	<u> </u>		l 82.	AC	ID. SHOT.	FRAC	TURE, CEMEN	T SQL	JEEZE, ETC.
						DEPTH INT	PERVA		4	MOUNT AND EI	TD OF	MATERIAL CORD
erf 8454-845	6, 8473-84	196, 84	199-85	101,		8484-85	15					20/40 sand.
8507-851	5 (39 hole	es)							340	a /00,00	10# 4	20/40 Sana.
· ·												
BS.º DATE FIRST PRODUCT	10H   PRO	DUCTION M	ETHOD (	Floreina, a		DI'CTION	and I	une of our	101	I WELL	STATI	us (Producing or
11-13-86						1/2"x120				ah	ut-in)	Producing
11-24-86	MOURS TESTED	CEO	ER SIER		N. FOR PERIOD	69	·	1 90	·	WATER-85		1304
FLOW. SUREME PRIME.	CABINO PRESE	TRE CAL	CULATED BOUR BAT	011	→ ••ACC	EPTEBATE			WATLE		OIL	GRAVITY-API (CORR.)
		_   -		•	69	Luc	90			24	1-	- 38.2
34. BISPOSITION OF C Flared	145 (3015, <b>266</b> 5)	<del>, 7</del> 72€1, 9€1	ite <b>s</b> , etc.)	,		DEC 2	٠.	1986		D. R.		
5. LIST OF ATTACE LOGS	MERTS		<del> </del>									
36. I hereby certify	that the forego	log and a	ttached li	Mormation	La contraction	telle de con	ŧĘ.√	s determin	ed tros	all available	record	
SIGNED W	idua M.	Dull	~ 1	_	TLE _	Authori				DAT	1	2-1-86
		/		TI								

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

	TOP	TRUE VERT. DEPTH		•
		MEAS, DEPTH	· •	
			·	
drill-stem, (esta, including depth interval test. d, cusnion used, time tool open, flowing sild silder presente, recoveries):	DESCRIPTION, CONTENTS, ETC.		Anhydrite Sand-Limestone Dolomite Sand-Shale-Limestone Limestone-sand	
	BOTTOM		3902 4748 5371 6835 8900	. <del></del> 
	101	•	1145 3902 4748 5371 6835	
recoveries):	FORMATION		Rustler Queen San Andres Delaware Bone Spring	HOER SOOS

## TELATE UP NEW MEXICO ENERGY NO MINERALS DEPARTMENT

(Signature)

(Tule)

(Date)

Authorized Agent

12-1-86

DISTRIBUTION	$\Gamma$	
SANTA PE		
FILE		
U.S.G.S.		
LAND OFFICE		
TRAMSPORTER OIL		
CAS		
OPERATOR		
PROBATION OFFICE		

## OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-104 Revised 10-01-78 Format 05-01-83 Page 1

well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

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.

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

able on new and recompleted wells.

All sections of this form must be filled out completely for allow-

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

PROBATION OFFICE	AUTHORIZ	ATION TO T	RANSPORT OIL	L AND NATU	RAL GAS	•
Operator Mobil Producing	g TX & NM	Inc.				
9 Greenway Pla	za, Suite	2700, Hou	ston, TX 7	7046		
Reason(s) for filing (Check proper box)  New Wall  Recompletion  Change in Ownership	Oil	ransparter of:	Dry Ges Candensere	Other (Please Approva	L to flare casinghead gas fr	orn
If change of ownership give name				this well Bureau	MUST be obtained from the OF LAND MANAGEMENT (BLM)	
II. DESCRIPTION OF WELL AND Losse Name Government "K"	Well No. P		ding Formation lains Upper	· Bone Spring	Kind of Louse State, Federal or Fee Federal	UAS-NM° 0554967
Unit Letter K : 1950	Feet From	South	Line and	1980	Feet From The West	
Line of Section 23 Town	ship 18-S	Ren	32-E	, NMPM	<u>Lea</u>	County
III. DESIGNATION OF TRANSPO	ORTER OF OU	I AND NAT	TIRAL GAS			
Name of Authorized Transporter of Oil Koch Service, Inc.		iensate 🔲	Ascress		B, Breckenridge, TX 76	
Name of Authorized Transporter of Casu	nghead Gas 🔲	er Dry Gas	Address	(Give address i	to which approved copy of this form	is to be sent)
If well produces oil or liquids, que location of tents.	Unit Sec. K 23	Twp.   R		ared	od? When	
If this production is commingled with NOTE: Complete Parts IV and V	•		•	ningling order	number	
VI. CERTIFICATE OF COMPLIAN	Œ			OIL C	ONSERVATION DIVISION	ar.
I hereby certify that the rules and regulation been complied with and that the information my knowledge and belief.				DISTRIC	T 1/SUPERVISOR	
Gladin M Dul	2 luar				be filed in compliance with a seat for allowable for a newly d	

IV. COMPLETION DATA	Oii Well Gas Well	New Well   Workover   Deepen	Plug Beck   Same Resty. Diff. Resty		
Designate Type of Complet	ion – (X)	X	i i i i i i i i i i i i i i i i i i i		
Dete Spudded	Date Compi. Ready to Pred.	Total Depth	P.B.T.D.		
9-19-86	11-11-86	8900	8856 ·		
Elevetions (DF, RKB, RT, GR, etc.,	Name of Producing Formation	Top OII/Ges Pey	Tubing Depth		
GR-3770	Bone Spring	8454	8556		
Perforations			Depth Casing Shoe		
8454-8456, 8473-8496,	8499-8501, 8507-8515		1		
	TUBING, CASING, AN	D CEMENTING RECORD			
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT		
17-1/2"	13-3/8"	700'	700x C		
12-1/4"	8-5/8"	4800'	3100x C		
7-7/8"	5-1/2" (Liner)	4408'-8900'	900x H		
V. TEST DATA AND REQUEST	FOR ALLOWABLE (Test must be	after recovery of total volume of load of	l and must be equal to or exceed top allou		
Date First New Oil Run To Tanks	Date of Tees	Producing Method (Flow, pump, gas	lift, etc.)		
11-13-86	11-24-86	2"x1-1/2"x24' Pump (7			
Length of Tool 24 Hours	Tubing Pressure	Casing Pressure	Choke Size		
Actual Prod. During Test	Oil - Bals.	Weter - Bhis.	Gas-MCF		
	69	24	90		
C C NOTES					
GAS WELL Actual Prod. Tool-MCF/D	U and at Tast				
VEINET LIGHT 1 ASI - WELVE	Length of Test	Bbis. Condensate/ABACF	Gravity of Condensate		
Testing Method (publ., back pr.)	Tubing Pressure (Shut-in)	Cesing Pressure (Shet-12)	Choke Size		

IV. COMPLETION DATA

### ENERGY AND MINERALS DEPARTMENT

00. 00 toride 000	$\Gamma$			
DISTRIBUTI	Т			
BANTA PE	SANTA FE			
FILE				
V.8.0.4.				
LAHO OFFICE				
TRANSPORTER	DIL			
	TAB			
OPERATOR				
PROBATION OF	ICE			

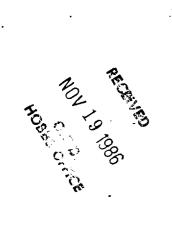
## OIL CONSERVATION DIVISION P. O. BOX 2028 SANTA FE, NEW MEXICO 87501

Form C-104 Revised 10-01-78 Format 06-01-63 Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

PROPATION OFFICE	AUTHORIZATION TO TRANS	SPORT OIL AND NAT	TURAL GAS	,
Mobil Producing	TX & NM Inc.			;
9 Greenway Plaza	, Suite 2700, Houstor	n, TX 77046		, .
Reeson(s) for filing (Check proper box)			lse espiainj	· <del></del>
New Well	Change in Transporter of:		t testing allowable	for November
Recompletion		· ·	O Bbls. pring perfs: 8454-8	₹ <b>51</b> 7
Change in Ownership	Cestngheat Ges	Condensate   Bone 2	pring peris. 0454-0	
If change of ownership give name				
II. DESCRIPTION OF WELL AND L	EASE			
Lesse Name	Well No. Pool Name, Including	Formation Querecho	Kind of Lease	USA-NM.
Government "K"	2 Plains Upper	Bone Spring	State, Federal or Fee Fed	deral <u> </u> 0554967
Location		1000	Mont	
Unit Letter K : 1950	_Feet From The <u>South</u> Li	ine and <u>1980</u>	Feet From The West	
Line of Section 23 Townshi	ip 18-S Range	32-E , NMI	Dr.	Lea County
Name of Authorized Transporter of Cit Xi Koch Service, Inc. Name of Authorized Transporter of Casingh	or Condensate	P. O. Box 155	a to which approved copy of the 8, Breckenridge, The to which approved copy of the	X 76024
If well produces oil or liquids, dive location of tanks.		Is gas actually conne	cted? When	
If this production is commingled with th			ler number:	
NOTE: Complete Parts IV and V on				
VI. CERTIFICATE OF COMPLIANCE		OIL	CONSERVATION DIVIS	SION
I hereby certify that the rules and regulations o	of the Oil Conservation Division have	APPROVED	NOV 2 0 1986	ñ .
been complied with and that the information give			200	
my knowledge and belief.		BY	GUI ZXI	<u> </u>
		TITLE	Colonet	
\11 \ \n \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		7342 (0-10	10 ho (1) at 10 accessions	
Madus M. Dully	10-	11	to be filed in compliance to quest for allowable for a a	
(Signature)		well, this form my	set be accompanied by a tall well in accordance with	bulation of the deviation
Authorized Agent	<del></del>	II	of this form must be filled (	
November 17, 1986		able on new and	recompleted weils.	
(Pare)		Fill out only	Sections I. II. III, and V	I for changes of owner

D : Town of Comple			
Designate Type of Comple		X	
Date 8, swided	Date Compi. Ready to Prod.	Total Depth	P.B.T.D.
9-19-86	11-11-86	8900	8856
Elevetions (DF, RKB, RT, GR, etc.	Name of Producing Formation	Top Oil/Ges Pey	Tubing Depth
GR-3770	Bone Spring	8454	8314
Perforations	0400 0503 0503 0533	-	Depth Casing Shoe
8454-8450, 84/3-8490	5, 8499-8501, 8507-8517 TUBING CASING	AND CEMENTING RECORD	
HOLE, SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17-1/2"	13-3/8"	700'	700x C
12-1/4"	8-5/8"	4800	3100x C
7-7/8" 7. TEST DATA AND REQUES	5-1/2" (Liner) TFOR ALLOWABLE (Test must chie for the	44081-89001  be after recovery of total volume of load (a depth or be for full 24 hows)	900x H
7-7/8" 7. TEST DATA AND REQUES	T FOR ALLOWABLE (Test must	be after recovery of total volume of load	900x H off and must be equal to the exceed top
7-7/8" 7. TEST DATA AND REQUES	T FOR ALLOWABLE (Test must chie for the	be after recovery of total volume of load to depth or be for full 24 howe)	900x H off and must be equal to the exceed top
7-7/8" 7. TEST DATA AND REQUES OIL WELL Date First New Oil Run To Tanks	T FOR ALLOWABLE (Test must able for the	be after recovery of total volume of load to depth or be for full 24 hours)  Producing Method (Flow, pump, ga	900x H  off and must be equal to to exceed top a
7-7/8" 7. TEST DATA AND REQUES OIL WELL Date First New Oil Run To Tanks Length of Test Actual Prod. During Test	Tubing Pressure	be after recovery of total volume of load to depth or be for full 24 hours)  Producing Method (Flow, pump, ga Casing Pressure	900x H  ott and must be equal to an exceed top s lift, etc.;  Choke Size
7-7/8" 7. TEST DATA AND REQUES OIL WELL Date First New Oil Run To Tanks Length of Test	Tubing Pressure	be after recovery of total volume of load to depth or be for full 24 hours)  Producing Method (Flow, pump, ga Casing Pressure	900x H  off and must be equal to the exceed top se lift, etc.;  Choke Size



WELL NAM	E AND NUM	BER Govern	ment "K" #2	·	1001
LOCATION	Section	23, T18S, R3	32E, Lea Cou	nty, New Mexico	
				as give S, BLK, SURV.	and TWP)
OPERATOR	Mobil Pr	roducing Texa	s and New M	exico, Inc.	
DRILLING	CONTRACTO	OR MORANCO	Drilling,	Inc.	
ing contra	ctor who dr		ve-de <b>s</b> cribed	is an authorized represd d well and that he has co	
Degrees a	nd Depth	Degrees a	nd Depth	Degrees and Depth	Degrees and Depth
1/4	325	3/4	4800	+	
1/2	450	1	5293		
3/4	700	1/2	5783		
3/4	1030	1/2	6251		
3/4	1313	1/4	6746		
1/4	1808	1 1/2	7190		
1 1/4	2308	1 3/4	7691	- Annale des St Annale St.	
1	2666	2 1/2	8094		
1	3047	2 1/4	8273	****	
1/2	3540	2	8492		
3/4	4040	2	8900		
3/4	4518				
		Drillin	g Contractor	MORANCO Drilling	, Inc.
•			В	Wiley Solmo	~Q
Subscribe	d and swor	n to before m	no this 16+1	· •	Marketing Manager  19 86
			ic tills	CV	19 86
My Comm	ission expire	es:	N.	otary Public Susie Brans	
January	30, 1989			otary Public <sub>Susie Bråny</sub> ea County, New Mexico	you

RECEIVED

OCT 32 985

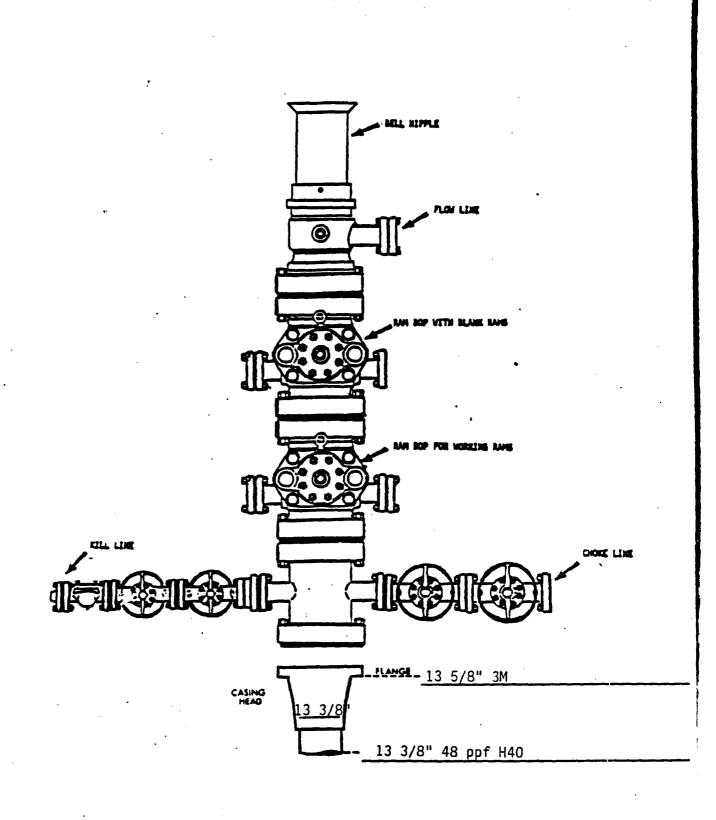
orm 3160∞5 Govember 1983) Formerly 9—331)	UNITED STATES SUBMIT IN TRIPLICATES  DEPARTMENT OF THE INTERIOR VEINE Mide)  BUREAU OF LAND MANAGEMENT	Expires August 31, 1985  5. LEASS DESIGNATION AND SERVIC BO.  USA-NM-0554967
	RY NOTICES AND REPORTS ON WELLS  rm for proposals to drill or to deepen or plug back to a different reservoir.  Use "APPLICATION FOR PERMIT—" for such proposals.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
91L 🕡 648 🗂	7	7. URIT AGREEMENT NAME
HAME OF OPERATOR	J OTREE	S. PARM OS LEASE NAME
MODIL Pro	ducing TX & NM Inc.	Government "K"
	y Plaza, Suite 2700, Houston, TX 77046	2
LOCATION OF WELL (Rep See also space 17 below. At surface	ort location clearly and in accordance with any State requirements.*	10. FIELD AND POOL, OR WILDCAT Cuerecho Plains Lipper Bone Spring 11: BBC., E., B., N., OR RLE. AND
1950 FSL 8	§ 1980 F⊎L	SCRIBT OF AREA
6. PERMIT NO.	15. BLEVATIONS (Show whether SF, ST, CS, etc.)	Sec. 23, T-185, R-32E 12. COUPET OR PARISE; 13. STATE
	GR-3770	Lea NM
3.	Check Appropriate Box To Indicate Nature of Notice, Report, or C	Other Data
301	PICS OF INTENTION TO:	UBNT ABPORT OF:
TEST WATER SEUT-OFF PRACTURE TREAT	PULL OR ALTER CASING WATER SEUT-OFF MULTIPLE COMPLETE PRACTURE TREATMENT	ALTERING CARING
SHOOT OF VEIDER	ABANDON* SECOTING OF ACIDIZING	ABARDONMENT*
REPAIR WELL	CHANGE PLANE (Other) (NOTE: Report result	Casing X X of multiple completion on Well
(Other)  DESCRIBE PROPOSED OR CO  proposed work. If went to this work.)	OMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates rell in directionally drilled, give subsurface locations and measured and true vertices.)	letion Report and Log form.)
9-29/10-5-86	Drlg	•
10-6-86	TD 7 7/8" hole, logging.	
10-7-86	Logging.	
10-3-86	RIH W/22 jts 17# + 83 jts 15.5# 5 1/2" K 55 ST&C TOL @ 4408, cmt @ 8900 W/900 sx CL H, displ W/13 mud, WOC, BLM not witnessed.	C W/10 centl, IO BFW, 56 bbl
10-9-86	WOC 18 hrs, tag cmt stringers @ 3058; hard cmt (1000# - 30 Min - OK, RDMO.	a 4490, Pt csg
	ACCEPTED FOR RECORD	
	00T 00 1006	
	OCT 20 1986	
	CARLSBAD, NEW MEXICO	
8. I hereby cartify that th	toregoing in true and Arrect	
SIGNED	Anny Louis TITLE Authorized Agent	DATE 10-16-86
(This space for Federal	i or State office use)	
APPROVED BYCONDITIONS OF APP	BOVAL, IF ANT:	DATE

Pota 18 tt 8 M. Builla 1801. makan is a naima fan anu mainan kansakuntu mid militfuttu sa maka in unu dililili

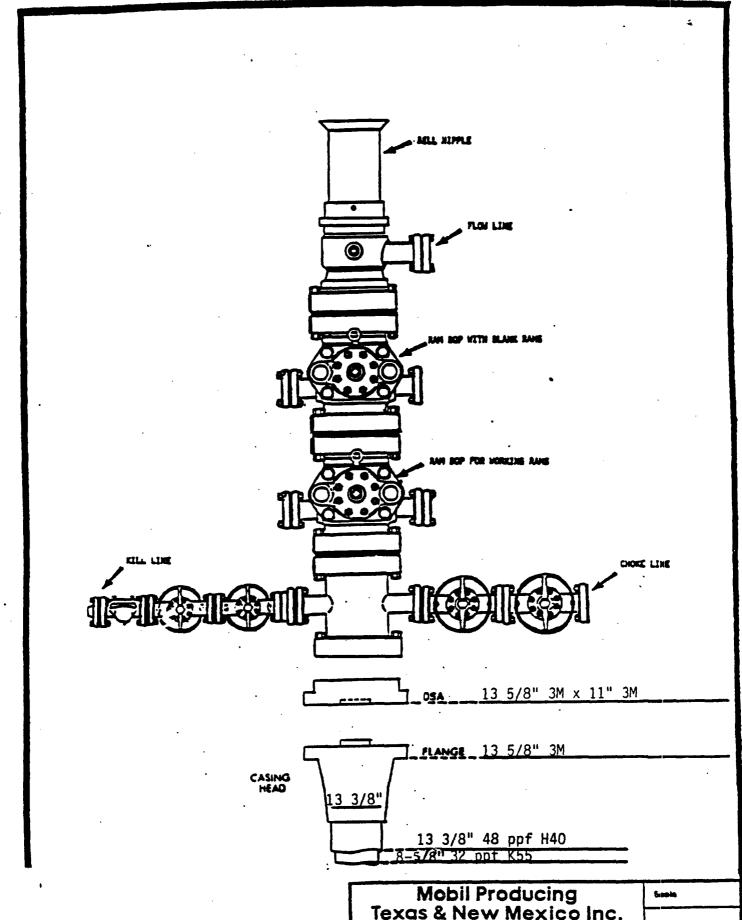
	UNITED STATES SUBMIT IN TRIPLICATES	I Expires August 31, 1085				
omerly 9-331)	DEPARTMENT OF THE INTERIOR (************************************	8. LEASE DESIGNATION AND SESIAL NO. USA-NM-0554967				
SU (Do not use ti	NDRY NOTICES AND REPORTS ON WELLS is form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)	6. IF INDIAN, ALLOTTER OR TRIBE NAME				
		7. UNIT AGREEMENT NAME				
OIL A GAR	OTERS OTERS	S. PARM OR LEASE PAME				
Mobil	Producing TX & NM Inc.	Government "K"				
ADDRESS OF OFERAS	ok nway Plaza, Suite 2700, Houston, TX 77046	9. WELL 30.				
LOCATION OF WELL See also space 17 b	(Report location clearly and in accordance with any State requirements."	10. FIELD AND POOL OF WILDCAT QUETECHO Plains				
At surface		Upper Bone Spring 11. BBC., T., B., M., OB BLE. AND SUBVET OF AREA				
1950 FSL &	1980 FWL					
PERMIT NO.	18. ELEVATIONS (Show whether SF, ST, CR. etc.)	Sec. 23, T-18S, R-32E 12. COUPTY OR PARISE 13. STATE				
·	GR-3770	Lea NM				
	Check Appropriate Box To Indicate Nature of Natice, Report, or	•				
		UBNT AMPORT OF:				
PRACTURE TREAT	OFF PULL OR ALTER CASING WATER SEUT-OFF MULTIPLE COMPLETE PRACTURE TREATMENT	ALTERING CARING				
SHOOT OR ACIDIZE	ABANDON* SHOOTING OR ACIDIZING	ABANDONMENT*				
REPAIR WELL	CHANGE PLANE (Other)	Casing X				
(Other)	Completion or Recoup	s of multiple completion on Well pletion Beport and Log form.)				
proposed work.	OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates if well in directionally drilled, give subsurface locations and measured and true vertice).)	al depths for all markers and sones per				
9-22-86	Drlg					
9-26-86	TD 12 1/4" hole	4800 W/2700 sx				
9-27-86	RIH W/114 jts 8 5/8" 23# K55 ST&C W/8 centl, cmt @ 4800 W/2700 sx C + 300 sx C Neat, circ 500 sx, capped foam cmt W/100 sx C, WOC, job witnessed by Jack Johnson, BLM-Hobbs.					
9-28-86	WOC 18 hrs., pt csg 2500# - OK, drlg new form.					
	ACCEPTED FOR RECORD  OCT 20 1986	OCT 08 1986				
	CARLSBAD, NEW MEXICO	Gristan Re				
I hereby martify the	At the foregoing is true and correct  Authorized Agent	Gettshan Hell				
SIGNED	at the foregoing is true and correct  ANCY XOUND TITLE Authorized Agent	DATE 10-6-86				
SIGNED	At the foregoing is true and correct  Authorized Agent	Gettshan Hell				

Form 3160-5 (November 1983) (Formerly 9-331)	B. LEASE DESIGNATION AND USA-NM-0554967	Budget Bureau No. 1004-0135 Expires August 31, 1985  B. LEASE PERIONATION AND SECIAL NO. USA-NM-0554967					
	RY NOTICES AND F m for proposals to drill or to to m "APPLICATION FOR PERMI			C. IF INDIAN, ALLOTTES OR	TRIBE HAME		
OIL X CAS THE	7. UNIT ACREMENT NAME	7. UNIT AGREMENT PAME  8. PARM OR LEASE NAME GOVERNMENT "K"  9. WELL BO. 2  10. PIELD AND POOL OR WILLICAT QUERECHO PIGINS					
Mobil Proc							
. ADDRESS OF OPERATOR	9. WELL 30.						
9 Greenway							
See also space 17 below.) At surface		المراجعة ال المراجعة المراجعة ال	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Upper Bone Spri	Upper Bone Spring		
1950 FSL	1950 FSL & 1980 FWL						
	1 15 St Stramone /	Show whether BF.		Sec. 23, T-18S,			
14. PERMIT NO.		3770	57, <b>66, 6</b> 62)	Lea Lea	NM		
ie.	Check Appropriate Box	To Indicate No	iture of Notice, Report, o	or Other Data			
302	ICE OF INTERTION TO:	_ 1	809	SEQUENT REPORT OF:			
TEST WATER SECT-OFF	PULL OR ALTER CAS		WATER SEUT-OFF FRACTURE TREATMENT	BRPAIRING WELL	<u>  </u>		
PRACTURE TREAT AROUT OR ACIDIZE	ABANDON*		SECOTING OR ACIDIZING	APTABLING CYBING	' <u>  </u>		
REPAIR WELL	CHANGE PLANS		(Other)Spud	ults of multiple completion on V			
(Other)	MPLETED OPERATIONS (Clearly B	tate all pertipeut	Completion or Reco	supletion Report and Log form.)			
proposed work. If we neat to this work.)	ill is directionally drilled, give	subsurface location	and measured and true ve	rtical depths for all markers and	; sones perti-		
9/17-18/86	MIRU Moranco Ri	g #10					
9/19/86	SPUD 17½ hole,	drīg.					
9/20/86 TD 17½ hole, RIH w/17 jts 13-3/8 48# H40 w/7 centL, cmt @ 700 w/700 sx cl C, circ 190 sx, HWO 16%, WOC, Job witnessed by Walter Cox, BLM-Hobbs							
9/21/86	WOC 18 hrs, Tst	csg 600# -	30 min - ok, drlg	new form			
SIGNED MAN	foregoing is true and correct		thorized Agent	DATS 9-29	-86		
(This space for Federal	be State office use)						
APPROVED BY	LOVAL IP ANT:	TITLE		ACCEPTED FOR RE	CORD		
				Ott			
				<b>OCT 0</b> 3 198	36		

See Instructions on Reverse Side



\*MOTE: ALL VALVES ARE METAL-TO-METAL SEAL AND FLANGED.
ALL COMPONENTS MUST MEET ABOVE MUNITURE PRESSURE
RATIMES. ALL COMPONENTS TO BE TESTED TO RATED
PRESSURE AFTER ASSEMBLY AND REFORE FURTHER
OCHMOLE OPERATIONS MAY BE COMPUTED.



\*NOTE: ALL VALVES ARE METAL-TO-METAL SEAL AND FLANGED.
ALL COMPONENTS MUST MEET ABOVE MINIMUM PRESSURE
RATINGS. ALL COMPONENTS TO BE TESTED TO RATED
PRESSURE AFTER ASSEMBLY AND BEFORE FURTHER
DOWNHOLE OPERATIONS MAY BE CONDUCTED.

• • •	-		to transpired into.
HOB IL	NO	2	Government "K"
			(LEASE)
•	Lea		COUNTY. New Mexico STATE

Date Drawn Checked Approved

# OIL CONSERVATION DIVISION

# STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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

Form C-102 Revised 10-1-78

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

Operator			Lease				Well No	·•		
Mobil Produ	cing Texas an	nd New Mexico, 1	$n_{C}$ .	OVERNMENT '	'K''			2		
Unit Letter K	Section 23	Township	Ran	q•	County	Too				
Actual Footage Loc	[	18 S.		32 E.	L	Lea				
1980	feet from the	West line and	195	i0 (m)	from the	South	line			
Ground Level Elev.	Producing Form		Pool		110111 1114		Dedicated Acres	Gje:		
3770 <b>'</b>	Upper Bor	ne Spring	Querec	ho Plains		. 1	40	Acres		
1. Outline the	e acreage dedicat	ted to the subject w			r hachure	marks on the		<del></del>		
interest an	<ol> <li>If more than one lease is dedicated to the well-outline each and identify the ownership thereof (both as to working interest and royalty).</li> <li>SEP -4 1986</li> <li>If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?</li> </ol>									
Yes	☐ No If an	swer is "yes," type	TESIA, OF of consoli			- A		<u> </u>		
this form if No allowab	necessary.) le will be assigne	owners and tract described to the well until alor until a non-standar	l interest	s have been co	onsolida	ted (by comm	nunitization,	unitization,		
				ı			CERTIFICATION	אכ		
	1	•		i !	İ					
	l			i İ	1	I hereby ce	rtify that the in	formation can-		
				4	i	1	in is true and c			
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	1			f 1	•	1	/			
	i			[ •	j	C.C.	mith of	in		
	-+	\		 		Name	`0			
	ì						veeney			
	1			!	1	Position				
	50	ECTION 23		1	1	1	Reg. Manag	ı <u>er</u>		
}	l 1	<b>,</b>	İ			Company	1			
	i	-	ì				ducing TX	& NM, Inc		
	T-18	-5 R-37	L-E	İ		August 13	3, 1986			
	i	İ	1	•		-				
	777777	7777								
}	Governmen	n+ 'K'			1					
	HOZTRON 108	2					ertify that the			
19	80.	N	i				is plat was plot			
		3	- 1		- 1	1	tual surveys m			
		• 3	I		- 1	1	pervision, and			
}		*17	!	<u>.</u>	1	knowledge a	l correct to the and belief.	i best of my		
	_ X////-1/	11/11					110 0011010 110444 1414			
	- <del>}</del>	1	) 1				WELLEN,	100		
,	5		i			Date Surveyed	رو 117 م آهي	7		
}			!		1		24, 1986			
			   			and/or Land S	· • · · · · · · · · · · · · · · · · · ·	1-1		
							2	01/90		

Artesia, NM 88210 SUBMIT IN TRIPLICATE. Form 3160-3 Other instructions on (November 1983) UNITED STATES reverse side) (formerly 9-331C) DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO\DRILL DEEPEN OR PLUG BACK DEEPEN DELLA FE IR. TYPE OF WORK DRILL X PLUG BACK [ b. TYPE OF WELL MULTIPLE ZONE BINGLE WELL X WELL OTHER 2. NAME OF OPERATOR RECEIVED BY Mobil Producing Texas & New Mex., Inc. SEP -4 1986 P. O. Box 633, Midland, Texas 79702 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*) O. C. D. 1950' FSL & 1980' FWL, Sec. 23, T-18-S, R-ARTESIA, OFFICE At proposed prod. sone same as surface 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 13 miles west of Buckeye, New Mexico 15. DIRTANCE FROM PROPOSED® LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED 630' 40 (Also to nearest drig, unit line, if any) 18. DISTANCE FROM PROPOSED LOCATION® 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 9,500' 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3770'  $\overline{23}$ . PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH <u>17-1/2"</u> 13-3/8" 700' 924 cu ft circulate to surface 48# 12-1/4" 8-5/8" 4800' 32# 2640 cu ft circulate to surface 7-7/8" 5-1/2" 9500' 15.5# 2513 cu ft circulate to 4600' CEMENTING PROGRAM 700 sx Class C + 2% CaCl<sub>2</sub> 1) 1700 sx Class C + 100 scf/bbl Nitrogen + 1.5% Foamer + .75% Foam Stabilizer, 300 sx Class C Neat 1400 sx TLW + 0.8% Fluid loss additive + 0.2% Retarder 300 sx Class h Neat BLOWOUT PREVENTER PROGRAM MUD PROGRAM Water Mud Type Mud Weight Viscosity Loss PH (See Attached) Depth 8.5-9.0 0- 700' FW-Spud 8.8- 9.4 32 - 40NC 700-48001 9.8-10.4 32-40 NC 9.0-9.5

EM OIL COMMISSION

Drawer DD

IN ABOVE SPACE DESCRIBE PROFOSED PROGRAM: If proposed is to deepen or plug back, give data on present productive sone 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.

30-36

32 - 40

NC

+20

8.4-8.8

8.6 - 9.2

signed C.C. Smill for M.E. Sweeney	TITLE Env. & Reg. Manager	DATE 8-13-86
(This space for Federal or State office use)		
PERMIT NO.	APPROVAL DATE	
Orig Sgd Charles S. D		2.1

APPROVED-BY

CONDITIONS OF APPROVAL, IF ANY:

FW

FW-Gel

4800-83001

8300-95001

DATE 9-386

9.0-9.5

9.0-9.5

APPROVAE SUBJECT TO -GENERAL REQUIREMENTS A SPECIAL STIPULATIONS

PERMIT

WRS COMPLETION REPORT SEC 23 TWP PI# 30-T-0003 12/18/86 30-025-29749	18S RGE 32E -0000 PAGE 1
NMEX LEA * 1950FSL 1980FWL	
MOBIL PRODUCING TX & NM OPERATOR	WELL CLASS INIT SOURIN SOURCE
2 GOVERNMENT "K" well no. Lease name	WEEL CEAGO INTO 7 IN
3782KB 3770GR OPER ELEV	QUERECHO PLAINS
APT	30-025-29749-0000 •
LEASE TYPE NO.	RMIT OR WELL I.D. NO.
09/19/1986 11/24/1986 ROTARY SPUD DATE COMP. DATE TYPE TOOL	STATUS
9500 BONE SPG MORANCO 10 PROJ. DEPTH PROJ. FORM CONTRACTOR	KIG SUB 17
DTD 8900 LTD 8901 PB 8856 DRILLERS T.D. LOG T.D. PLUG BACK TD OL	FM/TD BONE SPG
LOCATION DESCRIPTIO	N
8 MI SE MALJAMAR, NM	_
CASING/LINER DATA	
CSG 13 3/8 @ 700 W/ 700 SACKS CSG 8 5/8 @ 4800 W/ 3100 SACKS LNR 5 1/2 4408-8900	w/ 900s
TUBING DATA	
TBG 2 7/8 AT 8556	
INITIAL POTENTI	· A T
	•
IPP 69BOPD 90 MCFD 24BW   BONE SPG PERF   W/ 39/IT 84   GTY 38.2 GOR 1304	24HRS 454- 8515 GROSS
TYPE FORMATION LTH TOP DEPTH/SUB E	SSE DEPTH/SUB
LOG RUSTLER 1145 2637	
LOG QUEEN 3902 -120	•
LOG DELAWARE 5371 -1589	
1	-
PRODUCTION TEST DATA	
PTS 11BO	6HRS

CONTINUED IC# 300257025686

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Pt Petroleum Information

PI-WRS-GET

```
COMPLETIONS SEC 23 TWP 185 PI# 30-T-0003 12/18/86 30-025-29749-0000
                                                                                                   18S RGE
MOBIL PRODUCING TX & NM
                                                                                                                                  DO
                                         GOVERNMENT "K"
BONE SPG PERF JET W/ 1/FT 8454-8515 GROSS
PERF 8454-8456 8473-8496 8499-8501 8507-8515
SWFR 8454-8515 50000GALS 70000LBS SAND
MINI-MAX
SWBD 11 BO + 119 BLW IN 6 DBC
                                      PRODUCTION TEST DATA
SWBD 11 BO + 119 BLW IN 6 HRS
                                    LOGS AND SURVEYS /INTERVAL, TYPE/
LOGS 4800- 8900 DILL
LOGS 4408- 8856 VD
LOGS 4408- 8856 CET
LOGS 8000- 8856 GR
                                                    4800- 8900 MLL
4408- 8856 GR
4408- 8856 SPCT
                                                                                                   4408- 8856 CBL
4408- 8856 CCL
4408- 8856 DENL
                                                                                    DSN
                                                                                                                               GRDL
                    DRILLING PROGRESS DETAILS
                             MOBIL PRODUCING TX & NM BOX 633
MIDLAND, TX 79702
915-684-8211
LOC/1986/
DRLG 1800
DRLG 8770
8900 TD, RNG LOGS
8900 TD, WOCT
8900 TD, WOCT
8900 TD, PB 8856, PREP
09/08
09/23
10/06
10/07
10/17
10/22
10/29
              8900 TD, WOCT

8900 TD, PB 8856, PREP TREAT

8900 TD, PB 8856, SWBG

TD REACHED 10/06/86 RIG REL 10/10/86

8900 TD, PB 8856

COMP 11/24/86, IPP 69 BO, 90 MCFG, 24 BWPD

GOR 1304, GTY 38.2

PROD ZONE - BONE SPRING 8454-8515

NO CORES OR DSTS RPTD
 11/07
12/15
```

# HINKLE, COX, EATON, COFFIELD & HENSLEY

LEWIS C. COX PAUL W. EATON CONRAD E. COFFIELD HAROLD L. HENSLEY, JR. STUART D. SHANOR STUART D. SHANOR
ERIC D. LANPHERE
C D. MARTIN
PAUL J KELLY, JR
ROBERT P. TINNIN, JR
MARSHALL G MARTIN
ONES! OWEN M. LOPEZ DOUGLAS L LUNSFORD DOUGLAS L LUNSFORE
JOHN J. KELLY
NICHOLAS J. NOEDING
T CALDER EZZELL, JR.
WILLIAM B. BURFORD\*
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RICHARD R WILFONG\* THOMAS J MCBRIDE STEVEN D ARNOLD STEVEN D ARNOLD
JAMES J WECHSLER
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JAMES BRUCE
JERRY F. SHACKELFORD'
JEFREY W HELLBERG'
ALBERT L. PITTS
THOMAS M HNASKO
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JOHN C CHAMBERS

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MARK C. DOW

GARY D. COMPTON MICHAEL A. GROSS KAREN M. BICHARDSON FRED W. SCHWENDIMANN JAMES M. HUDSON JEFFREY S. BAIRD\*
MACDONNELL GORDON MACDONNELL GORDON
REBECCA NICHOLS JOHNSON
WILLIAM P. JOHNSON
STANLEY K. KOTOVSKY, JR. H. R. THOMAS KARA L. KELLOGG

BETTY H. LITTLE\* RUTH S. MUSGRAVE ELLEN S CASEY S. BARRY PAISNER MARGARET CARTER LUDEWIG STEPHEN M CRAMPTON MARTIN MEYERS MARTIN MEYERS
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MARGARET R. MCNETT
BRIAN T. CARTWRIGHT\*
LISA K. SMITH\* LISA K. SMITH\*

JAMES KENT SCHUSTER\* ROBERT H. BETHEA\* BRADLEY W. HOWARD CHARLES A. SUTTON\* NORMAN D. EWART DARREN T. GROCE\* MOLLY MCINTOSH

ATTORNEYS AT LAW

218 MONTEZUMA

POST OFFICE BOX 2068

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(505) 982-4554

FAX (505) 982-8623

CLARENCE E. HINKLE (1901-1985) W. E. BONDURANT, JR. (1913-1973) ROY C. SNODGRASS, JR. (1914-1987)

OF COUNSEL
O. M CALHOUN\*

WASHINGTON, D.C. SPECIAL COUNSEL

700 UNITED BANK PLAZA POST OFFICE BOX (C) ROSWELL NEW MEXICO PRZOZ (505) 622-6510 FAX (505) 623-9332

2800 CLAYDESTA CENTER 6 DESTA DRIVE POST OFFICE BOX 3580 MIDLAND, TEXAS 797C2 (915) 683-4691 FAX (915) 683-6518

1700 TEAM BANK BUILDING POST OFFICE BOX 92:8 AMARILLO, TEXAS 79105 (806) 372-5569 FAX (806) 372-9761

June 15, 1992

500 MARQUETTE N.W., SUITE 800 POST OFFICE BOX 2043 ALBUQUERQUE, NEW MEXICO 87103

(505) 768-1500

FAX (505) 768-1529

Case 10 RECEIVED

JUN 1 5 1992

OIL CONSERVATION DIVISION

\*NOT LICENSED IN NEW MEXICO

# VIA HAND DELIVERY

Ms. Florene Davidson Oil Conservation Division State Land Office Building Santa Fe, New Mexico 87503

Dear Florene:

Enclosed are an original and one copy of an Application for Authorization to Inject, filed on behalf of Mewbourne Oil Company, regarding Mewbourne's Federal E No. 11 located in the NE%NE% of Section 27, Township 18 South, Range 32 East. This well is being converted to injection for purposes of a water flood pilot project. Please set this matter for the July 9, 1992 Examiner Hearing. Please call me if you need anything further on this matter. you.

Very truly yours,

HINKLE, COX, EATON, COFFIELD

Muel

& HENSLEY

James Bruce

JB:frs Enclosures

# MEWBOURNE OIL COMPANY

P.O. BOX 7698 TYLER, TEXAS 75711 903 - 561-2900 FAX 903 - 561-1870 June 12, 1992

RECEIVED

JUN 1 E 1992

State of New mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87504

OIL CONSERVATION DIVISION

Attention: Mr. David Catanach

Case 10497

Application for Authorization Re: to Inject - Federal "E" No. 11 Unit A, Sec. 27, T18S-R32E Lea County, New Mexico

### Gentlemen:

Mewbourne Oil Company and the Operator's Committee of the proposed Querecho Plains Bone Spring Sand Unit recommends converting the captioned well to a pilot water injection well prior to the formation of the proposed unit.

The original and one (1) copy of application Form C-108 and all appropriate supporting data are attached. A copy of similar information has been submitted to the BLM in Carlsbad.

This application cannot be administratively approved and it is requested that a hearing be set for July 9, 1992.

If further information is required, please advise.

Very truly yours,

MEWBOURNE OIL COMPANY

Kevin Mayes

Engineer

KM:qt Enclosures

Copy to: Oil Conservation Division Hobbs, New Mexico

# STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

# OIL CONSERVATION DIVISION

FORM C-108 Revised 7-1-81

POST OFFICE BOX 24810 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501

ADDI VOLUME DOG ANTHODY TAXABLE TO AN 1507

Case 10497

I.	Purpose: Applicat	Secondary Recovery Prion qualifies for administra		Disposal Storage
II.	Operator: _	Mewbourne Oil Compa	any	
	Address:	P. O. Box 7698, Ty	ler, Texas 75711	
	Contact par	ty: Kevin Mayes/Ken Ca	lvert Phone	e: (903) 561-2900
III.	Well data:	Complete the data required proposed for injection. Ad		
14.		expansion of an existing pro e the Division order number		no ect
٧.	injection w	p that identifies all wells ell with a one-half mile rad circle identifies the well'	lius circle drawn arou	
VI.	penetrate t well's type	oulation of data on all well he proposed injection zone. , construction, date drilled of any plugged well illustr	Such data shall incl , location, depth, re	ecord of completion, and
VII.	Attach data	on the proposed operation,	including:	
	2. Whe 3. Prop 4. Sou tl 5. If	cosed average and maximum dather the system is open or coosed average and maximum in rees and an appropriate analuse receiving formation if otinjection is for disposal put or within one mile of the he disposal zone formation witerature, studies, nearby we	losed; jection pressure; ysis of injection flu her than reinjected p rposes into a zone no proposed well, attack ater (may be measured	uid and compatibility with produced water; and ot productive of oil or gas h a chemical analysis of
111.	detail, geo bottom of a total disso	logical name, thickness, and ll underground sources of dr lved solids concentrations o one as well as any such sour	depth. Give the geo inking water (aquifer of 10,000 mg/l or less	rs containing waters with s) overlying the proposed
IX.	Describe the	e proposed stimulation progr	am, if any.	
х.		opriate logging and test dat vision they need not be resu		vell logs have been filed
XI.	available a	emical analysis of fresh wat nd producing) within one mil wells and dates samples wer	e of any injection or	
XII.	examined ava or any other	for disposal wells must make ailable geologic and enginee r hydrologic connection betw rinking water.	ring data and find no	evidence of open faults
III.	Applicants	must complete the "Proof of	Notice" section on th	he reverse side of this form.
XIV.	Certification	on		
	I hereby cer to the best	rtify that the information s of my knowledge and belief.	ubmitted with this ap	oplication is true and correct
	Name:	Kevin Mayes	Title	Engineer
	Signature:	Kwin Mayer	Date: _	6/12/92

### III. WELL DATA

- A. 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:
  - (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
  - (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.
  - (3) A description of the tubing to be used including its size, lining material, and setting depth.
  - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

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.

- B. 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.
  - (1) 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.
  - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
  - (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.
  - (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

### 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 must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) 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 days.

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

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 mailed to them.

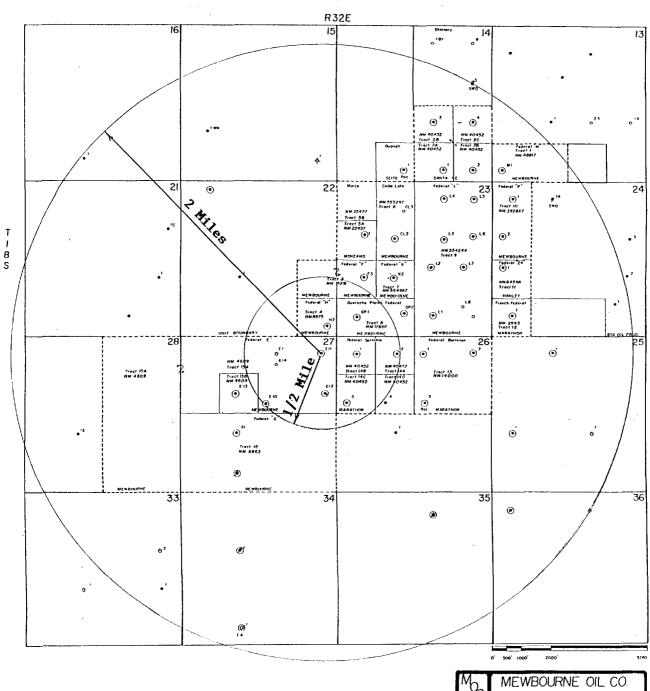
# ITEM III OF NEW MEXICO OCD FORM C-108

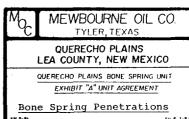
INJECTION WELL DATA SHEET

Mewbour	ne Oil Company Federal "E"
11 WELL NO.	660' FNL & 530' FEL of Sec. 27, 185-32E FOOTAGE LOCATION SECTION TOWNSHIP RANGE
	Lea County, New Mexico
Schem	atic <u>Tobular Data</u>
	Surface Casing
	Size $13-3/8$ " Cemented with $475$ sx.
	,
- HI	Hole size
	Intermediate Casing
	Size $8-5/8$ " Cemented with $2600$ sx
	TOC feet determined by
711119	4480'
\	Long string
{	Size $5-1/2$ " Cemented with $1400$ gy,
	TOCfeet determined by
11     1   1	Hole size
11111	Total depth 8972"
11 1 1 1 3	Injection interval
111111	
(1111)	8360 feet to 8388 feet (perforated or open-hole, indicate which)
(1111)	and 8450 feet to 8486 feet.
///////	
(1111)	
] ] ] ] }	
M A	
112	8972'
	0512
Tubing size _	2-7/8" lined with bare steel set in a (material)
Ot	cis Permalach packer at 8370 feet
(bret	nd and model)
	any other casing-tubing seal).
Other Data	the injection formation 1st Bone Spring Sand
	Field or Pool (if applicable) Ouerecho Plains
	a new well drilled for injection? / Yes No
If no, fo	or what purpose was the well originally drilled? Oil Production
4. Hee the	well ever been perforated in any other zone(s)? List all such perforated intervals plugging detail (sacks of cement or bridge plug(s) used) <b>Bone Spring</b>
	onate. 8826-70' (Non-productive). Isolated from
	e perfs by CIBP at 8800'.
5. Give the this ere	
	erlying - San Andres Top at 4836'
Une	derlying - Lower Bone Spring Top at 8660'

# ITEM V OF NEW MEXICO OCD FORM C-108 MAP OF ALL WELLS WITHIN 2 MILES OF INJECTOR QUERECHO PLAINS FEDERAL "E" NO. 11

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Otobal Not 52 Gulfita Cita 155 Pto. 14	(chevian) "worth)	Happiest Homoral Sergia	PE VOICE THE FORM THE STATE OF	40.46)	Union fra. In the trates of frage of the trates of frage of the trates of tr
4046 F:,20	True de Salada Salada 1 15 John	Chevron) Hours to so dott ed	10 14 189 10 1500   10 150	Meridian Union Tea   19   19   2783    84885   6   250   5   5   6   7   7   7   7   7   7   7   7   7	The Bit had a second and a second a sec
onere	A Trong Unit of The part	(cont) ((clobal re reaco - (ca)) (cont) ((clobal re reaco - (ca)) (reaco - (ca))	яве 2264:: 430   Chevren нар 12444   122642	Meridian Saniafe Amara	(Amoco) Fed. (Santa Fe Ener., etal)  17085  Vote: 40472  - 1050 -
Manapina	Town for Just Day 5 rel of Married	U.S. 4785 HER	GSon Cattle Co	Hains I HAP 172005	Corrienta: U.S. 1253 6
Has a n. Carp	Section of the state of the sta	Notes i'el Lisoni Fias	o' 1045? Santafe Ener.	Ener stal	100 100 100 100 100 100 100 100 100 100
61986 865	Specific to the training for	Merchian ridian	YOUNG DEEP UT Fed."  [YATES PET. (OPER)]  100 Anodac Ward of the second	Williams G. Son Cattle Co Anadara I Lama	July 1841) 1 2 (Mobil) 0  July 1841) 1 1 2 (Mobil) 0  July 1841) 1 1 2 (Mobil) 0  July 1841) 1 1 2 (Mobil) 0  July 1841   July
Fet, al SP 19 ntic, R	(ARCo	(Constant) (Constant) (U1-0) (	1019 1 1 [Murig Dil 181830	And of the translated of translated	From Mary 10 5 12 19 5 12 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Arths clair formy and	IS IAR.Co. U.RI	Notes Murjo Oil Al Johns Notes Pot 19 10 25457 Murio I Watawa 1022 1100 1000 1000 1	Andurko 25.4.57 Gog SA Disc (4) 15327 505 CT 31.43 Symb	MuripOil Mewbourne 5.L. Mewbourne 5.L. Manjana 10555297 Hurleson Huffl	BTA   Holds   Marah 12 H
Alla elaj Rung fed	9014 1000g-Fed 15 15 15 15 15 15 15 15 15 15 15 15 15	(ARCO 21 OILG	32 33 Esta 18 18 18 18 18 18 18 18 18 18 18 18 18	POLY IS TOSION FL	BIA (Burthson Ethol) " Carco yerdaya  (R Lowe)
6 E 10 1. 02 10 9 60 88	Oil 143 9016 20	Anodorke Story Oras	(Shell) (State of the Court of	The school cary of the phonois of th	Holistoph   Land   24   24   24   25   25   25   25   25
141 }	Troung Tolum 12 126		1146) U.S (1250 ESUE MILES	Marshull Fey "U.S. Edith Fed"	
intes ert   etal   8 f   9019	Free 25 Sunfee 2th 1 1 24 (ARCEC) 42012 2 9021 32 910 (ARCEC) 1 1 24 (ARCEC) 1 1 24 (ARCEC) 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	To 474 High	11,500 feet	TXS (b) to 13450	Anadarkoba [Aztec] Anadarkoba [Internation of the Internation of the I
i of c	29 - 70 - 10	Chew on 28	Andreas Pari	United States 26 Training	Sweeney red Car (Union) (F
klirov n	[M/47K/N/5]	Scome TO 4050	Gross (1921)  Qross (1921)  Qross (1921)  Qross (1921)  Qross (1921)  Auduran form		Um le jour
Cet.	Santa Fe Liner	Per Dev Cort Al Mobile of More.	Solvest III (Sol West III) & Pet Dev Corp. (1)-	(Hurleson & Huff) with den J	M.E. Tates
(1) (b)	Gurf Fed Helbing DIA 8 IK GS P/8) Max-SL	Butteren & Huff Superior Fra	DevonEnglag bove 13200' 30 Olsc en 13200' 30 Ols	JFG Lat.  2553 (wold) W Hendon Jr. (43 http) W Hendon Jr. (43 http) W Hendon Jr. (43 http) W Hendon Jack Huff, et al. (40 no.) Shell-fed J. (40 no.)	HE tales I. R French Jr Numble 31 In Spring 104371 101690 104371 72 10437 72 10437 72
Ter-eco Mo een	Meridian (Prin)	Court Court Person	Corp.elal De on Ener. to Morr. 3-1-851 72-75 100-12 24161 above 13200 5/2	Line Corp. / 35	36 Sol West III
for gr	FF336	Gulf total Pedro H-1-05 base 26600 USerdon Gulf Fra	DY Dev Corp.) 01 U.S.MI 20920	NOS Tenneco	VII-30 Palama-St.
1.1 (. on)	Finaut, Pladson Pet Amocc Pet etal 12 1/74 Han 17415	Chevron HAP  Clear of the control HAP  Clear of the control Toda(5)  Toda(6)  Toda(6)	1	Mitchell Ener 24 234 78 324 366 01 1 Sol	Mitchell 3 ' Ener   Micridian Oil 6   194   Micridian Oil 7   194   12568   12
Finally 189 101.9697 1 Fillo Diartin- dulel	hasan shelly 17435	Shawar Castus Deta, 1-19 Wathing Shell feet Or 1914 1919 January Janua	(Buildog ton) of Trigge Alartoon of 17 So Tengero 1 So Te	West	40
OTTE TO SOL	Oll Mubil 21007		(TALLER OSE CALLER OSE AND CONTROL OSE CALLER OSE CALLE	West III   1   1   1   1   1   1   1   1   1	Superior (Fra) Bondurant Fed P148
- 30 ( ) ( 4 Cont)		H. Yores Long Amoco	TO WAS IN	o Superior St.	Rondurant Fed."





# WELLS WITHIN REVIEW AREA WHICH PENETRATE THE 1ST BONE SPRING SAND

# QUERECHO PLAINS FEDERAL E #11

MEWBOURNE DIL CO.	MEWBOURNE OIL CO.	MEWBOURNE DIL CO.	MEWBOURNE OIL CO.	MARATHON	MARATHON	MARATHON	MARATHON	MARSHALL & WINSTON INC.	MARSHALL & WINSTON INC.	MERWBOURNE OIL CO.	MERWBOURNE DIL CO.	OPERATOR
FED E#12	FED E#10	FED E#13	FED E#1	SPRINKLE FED #4	SPRINKLE FED #3	SPRINKLE FED #1	SPRINKLE FED #2	QUERECHO FED #2	QUERECHO FED #1	FED F#3	FED # #2	LEASE/WELL
T18S, R32E, SEC 27 1980 FNL, 330 FEL	T18S, R32E, SEC 27 2310 FNL, 2310 FEL	T185, R32E, SEC 27 1980 FNL, 1980 FWL	118S, R3ZE, SEC 27 660 FNL, 1980 FEL	T18S, R32E, SEC 26 2310 FNL, 1650 FWL	T18S, R32E, SEC 26 2310 FNL, 330 FWL	T18S, R32E, SEC 26 660 FNL, 660 FWL	T18S, R32E, SEC 26 660 FNL, 1980 FWL	T18S, R32E, SEC 23 760 FSL, 2310 FWL	T18S, R3ZE, SEC 23 610 FSL, 760 FWL	T18S, R32E, SEC 23 1980 FSL, 990 FWL	T18S, R32E, SEC 22 330 FSL, 330 FEL	LOCATION
Œ	OIL	OIL	0IL	OIL	DIL	911	OIL	JIO	JIO	OIL	OIL	3471
13 3/8 @ 440' CMT W/ 450 SX 8 5/8 @ 4310' CMT W/ 1890 SX 5 1/2 @ 9052' CMT W/ 835 SX	13 3/8 @ 456° CMT W/ 475 SX 8 5/8 @ 4542° CMT W/ 2600 SX 5 1/2 @ 9020° CMT W/ 1400 SX	13 3/8 @ 460° CMT W/ 485 SX 8 5/8 @ 4248° CMT W/ 1500 SX 5 1/2 @ 9020° CMT W/ 1225 SX	13 3/8 @ 650' CMT W/ 650 SX 9 5/8 @ 4540' CMT W/ 2975 SX 5 1/2 @ 12898' CMT W/ 550 SX	13 3/8 @ 353° CMT W/ 370 SX 8 5/8 @ 2810° CMT W/ 1050 SX 5 1/2 @ 9700° CMT W/ 900 SX	11 3/4 @ 350° CMT W/ 485 SX 8 5/8 @ 2767° CMT W/ 1700 SX 5 1/2 @ 8710° CMT W/ 700 SX	13 3/8 @ 536' CMT W/ 500 SX 8 5/8 @ 4814' CMT W/ 2825 SX 4 1/2 @ 10635' CMT W/ 735 SX	8 5/8 @ 547° CMT W/ 400 SX 5 1/2 @ 8711° CMT W/ 1950 SX	13 3/8 @ 374' CMT W/ 385 SX 8 5/8 @ 3010' CMT W/ 1300 SX 5 1/2 @ 8703' CMT W/ 1100 SX	13 3/8 @ 354' CMT W/ 385 SX 8 5/8 @ 3047' CMT W/ 1475 SX 5 1/2 @ 8565' CMT W/ 1250 SX	13 3/8 @ 480' CMT W/ 275 SX 8 5/8 @ 4285' CMT W/ 1700 SX 5 1/2 @ 8570' CMT W/ 1375 SX	13 3/8 @ 440' CMT W/ 400 SX 8 5/8 @ 4472' CMT W/ 2100 SX 5 1/2 @ 8960' CMT W/ 1700 SX	CONSTRUCTION
3/16/86	5/14/85	8/12/87	10/31/76	1/28/87	3/9/86	5/11/85	10/3/85	5/6/86	12/31/85	12/31/86	2/18/86	DATE DRILLED
9050*	9020*	9020'	12898'	9700'	8710*	13350'	8711'	9100	9580*	8570'	8960'	<b>0</b> 1
OPEN PERFS 8470'-8532'	OPEN PERFS 8501'-8530'	OPEN PERFS 8504"-8534"	OPEN PERFS 12625'-12791'	OPEN PERFS 8823'-8836'	OPEN PERFS 8502'-8568'	PERF & TEST 10196'-10350' PB 10175' PERF & TEST 8439'-8532' SQZ 8439'-5478' OPEN PERFS 8507'-8532'	OPEN PERFS 2542'-8574'	OPEN PERFS 8459'-8526'	OPEN PERFS 8414'-8447'	OPEN PERFS 8362'-8448'	OPEN PERFS 8396'-8460'	COMPLETION & COMMENTS

# ITEM VII OF NEW MEXICO OCD FORM C-108 DATA ON PROPOSED OPERATIONS QUERECHO PLAINS FEDERAL E #11 5-12-92/KMM

- ITEM VII (1) Proposed maximum injection rate is 800 bwpd/injector.
- ITEM VII (2) The injection system will be operated as a closed system.
- ITEM VII (3) The injection pressure will be held to a maximum of 1700 psi (0.2 psi/ft \* 8501'). If no detriment is seen from this pressure then administrative approval may be requested for higher pressures.
- ITEM VII (4) The source of injection water will be produced water from the Bone Spring, Delaware and/or Queen formations. If additional water is required the city of Carlsbad will be approached for a tap on their Caprock system. A copy of the water analyzes is attached.
- ITEM VII (5) Not applicable.

# ITEM VIII OF NEW MEXICO OCD FORM C-108 GEOLOGIC DATA ON THE INJECTION ZONE & UNDERGROUND DRINKING WATER QUERECHO PLAINS FEDERAL E #11 5-12-92/KMM

The zone being targeted for water injection at Querecho Plains is the First Bone Spring sand at depths from 8430'-8528' in the well Federal L NO. 4, Section 23, T18S, R32E. The First Bone Spring sands are a sequence of well consolidated sandstone, siltstone, and shale strata, with localized carbonate deposition, of Permian age cemented with calcareous material. An eight percent porosity cut off is use to determine net pay as porosity less than eight percent is considered impermeable at the existing and proposed reservoir pressure and reservoir fluid regimes. Net pay isopach maps contained in the engineering report portion of the unit plan show the areal extent of the targeted sands. Impermeable carbonate deposits exist above and below the targeted sands thus defining the permeable limits of the reservoir. All injected fluids should remain in the reservoir with the exception of cycling to the surface though wellbores.

Based on communications with the New Mexico State Engineer's Roswell office (Ken Fresquez) and OCD files at Hobbs there appears to be only one fresh water well within T18S & R32E. This well's total depth was 270' and is located in the NW, NW, SE, SE, NW of section 20 (3 miles away from the nearest proposed injector). The source strata tapped by this well is the Triassic "Red Beds" and the only other strata Mr. Fresquez referred to as potentially fresh was the Alluvium which is shallower than the "Red Beds". There are no known fresh water strata underlying the Bone Spring.

# ITEMS IX THROUGH XII QUERECHO PLAINS FEDERAL E #11 5-12-92/KMM

- ITEM IX. Federal E #11 has an existing fracture stimulation and it is assumed that the well will be treated with acid at least once during the life of injection.
- ITEM X. All logging and test data for the existing wellbores already exists on file with the state of New Mexico Oil Conservation Division (OCD) and will not be resubmitted with this application.
- ITEM XI. As stated in ITEM VIII, it appears the only strata within one mile of our proposed unit which contains water of possible drinking quality is confined to 270' and shallower. No contamination of this drinking water should occur as all existing wellbores which penetrate the Bone Spring in the proposed area have surface casing set at a minimum depth of 350' with cement completely circulated behind this casing from setting depth to surface. In addition and to the best of my knowledge there are no fresh water wells within one mile of this proposed injector.
- ITEM XII. After reviewing the geology of the Bone Spring Sand strata in a one and one-half mile radius around the proposed unit area, no evidence appears of fractures or any hydrologic connection between the target sands and any overlying or underlying strata.

# MEWBOURNE OIL COMPANY APPLICATION FOR AUTHORIZATION TO INJECT FEDERAL "E" NO. 11 LEA COUNTY, NEW MEXICO

# CERTIFICATE OF SERVICE

I, Kevin Mayes, Engineer, Mewbourne Oil Company, Operator of the Federal "E" No. 11, have on this 12th day of June, 1992, mailed or caused to be mailed, postage prepaid a copy of the Application for Authorization to Inject to the following persons at the address shown:

# LAND OWNER

Bureau of Land Management P. O. Box 1397 Roswell, New Mexico 88220

## OFFSET OPERATORS

Tony Meyer Anadarko Petroleum Corporation 400 West Illinois, Suite 1300 Midland, Texas 79701

Gene H. Davis
Santa Fe Energy Resources, Inc.
550 W. Texas, Suite 1330
Midland, Texas 79701

Tom Westling
Marathon Oil Company
P. O. Box 552
Midland, Texas 79702

James Guy JFG Enterprises P. O. Box 100 Arteisa, New Mexico 88210

Kevin Mayes Engineer

Subscribed in my presence and duly sworn to before me on this 12th day of June 1992.

GAYLON THOMPSON Notary Public, State of Tome My Comm. Expires 4/30/93

Notary Public in and for Smith County, Texas

	PILE	REQUES	ST FOR ALLOWABLE AND	Form C-104 Supersedes Old C-104 and				
	U.S.G.S.	AUTHORIZATION TO T	AUTHORIZATION TO TRANSPORT OIL AND NATURAL CASE IN DIVISION					
	TRANSPORTER OIL		•	REC				
	OPERATOR GAS			2 APR 7 AM 10 12				
J.	PRORATION OFFICE		'9'	S HLu				
	MEWBOURNE OIL	COMPANY						
:	Address	8, TYLER, TEXAS 7571	1					
٠.	Reason(s) for filing (Check proper be	)×)	Other (Please explain)					
,	New Well XX	Change in Transporter of:		• •				
	Change in Ownership		Gas					
	If change of ownership give name and address of previous owner	THIS WELL HAS BE DESIGNATED BELO NOTIFY THIS OFFICE	EEN PLACED IN THE POOL W. IF YOU DO NOT CONCUR					
11.	DESCRIPTION OF WELL AND	LEASE		•				
	FEDERAL "E"	Well No. Pool Name, Including Querecho-P Ipper Bone	Formation - 1 - 8024 Kind of Let Springs 9/55 State, Fede	tral or Fee Federal NM-46				
		310 Feet From The North L	tne and2310Feet From	n The <u>East</u>				
ı	Line of Section 27 To	waship 185 Range	32E , NMPM,	LEA County				
11.	DESIGNATION OF TRANSPOR	TER OF OIL AND NATURAL G						
	Name of Authorized Transporter of Oil Phillips Petholoum		Address (Give address to which appr	oved copy of this form is to be sent)				
1	Name of Authorized Transporter of Ca	Company EFFECTIVE Febru Company GPM Gas Corporer Unit Sec. Twp. Rge.	Apdress (Give address to which appr	nd, Texas 19702  oved copy of this form is to be sens				
ŀ	rniclips retroleum	Unit Sec. Two Bas	10 P. O. BO2 791, Midla	nd, Texas 19702				
l	If well produces oil or liquids, give location of tanks.	G 27 18S 32E	Yes	11411				
v I	f this production is commingled wi	th that from any other lease or pool,	give commingling order number:	,				
Ì	Designate Type of Completic	Oil Well Gas Well	New Well Workover Deepen	Plug Back   Same Resty. Dill. Rest				
-	Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.				
	5/14/85	7/14/85	9020'					
	Elevations (DF, RKB, RT, GR, etc.) 3735' GL, 3750' KB	Name of Producing Formation Upper Bone Springs	Top Oil/Gas Pay 8501'	Tubing Depth 8498'				
L-	Perforations	1 45504 50110 55104195	1 0,001	Depth Casing Shoe				
-	8501-8530 <b>'</b>	THRING CASING AND	CEMENTING RECORD	<u> </u>				
Ł	HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT				
	17-1/2"	13-3/8"	456'	475				
-	11" 7-7/8"	8-5/8" 5-1/2"	4542' 9020'	2600 1400				
	7-1/8	3=1/2"	9020:	1400				
	EST DATA AND REQUEST FO	R ALLOWABLE (Test must be a) able for this de	fter recovery of total volume of load oil pth or be for full 24 hours)	and must be equal to or exceed top ellow-				
	ate First New Oll Run To Tanks	Date of Teet	Producing Method (Flow, pump, gas li	ft, etc.)				
-	7/15/85 ength of Test	7/16/85 Tubing Pressure	Pump Casing Pressure	Choke Size				
	24 howrs	<b></b>						
1	ictual Prod. During Test	011-8ble. 100	Water-Bble. 50	Gas-MCF				
ا				An A				
	AS WELL  Actual Prod. Tegli-MCF/D	Length of Test	Bbie, Condenente/MMCF	Grayity of Condensate				
	The second secon		医外部的 医红色素的 人名英格兰 法外	AND THE RESERVE AND THE RESERV				
	eating Method (pitot, back pr.)	Tubine Pressure (Shut-in)	Coging Pressure (Shut-in)	Choke Size				
C	ERTIFICATE OF COMPLIANC		OIL CONSERVA	TION COMMISSION				
			APPROVED JUL 1	9 1985				
C	hereby certify that the rules and remmission have been compiled wi ove is true and complete to the	th and that the information given i	BY ORIGINAL SIG	NED BY JERRY SEXTON				
	(1 121	,	TITLE DISTRIC	CT I SUPERVISOR				
	71 1.0		This form is to be filed in c	compliance with RULE 1104.				
	(Signal		well, this form must be accompa-	able for a newly drilled or deepened nied by a tabulation of the deviation				
/	EXPLORATION SEC	/ /	tests taken on the well in accor	dance with RULE 111. at he filled out completely for allow-				
	(Title		able on new and recompleted we	118.				
	JULY 17, 1985 (Date	,	well name or number, or transport	III, and VI for changes of owner, er, or other such change of condition.				
			Separate Forms C-104 must completed wells.	be filed for each pool in multiply				

Form 3160— h. (November 1983)	BOX 1980 SS DEPAR BI	UNITE 竹MEN746 UREAU OF LA	DF TH AND MAN.	E IN	TERIOF NT	₹	struc rever	other In- tions on se side)	NN	Expire  (-460)	t Bures Aug	red. eau No. 1004-0137 gust 31, 1985 TION AND SERIAL NO.	
		V OR RECC		ION F	REPORT	AN	D LO	3 * 	0. 1	INDIAN	, ALLO	TIRE OF TRIBE NAME	
1a. TYPE OF WEL	W	ELL WELL		RY 🗌	Other		No.		7. 17	NIT AGRI	EMEN	T NAME	
NEW X	b. TYPE OF COMPLETION:  NEW WORK DEEP DEEP DIFF.  WELL WORK DEEP DACK DEEP OTHER  2. NAME OF OPERATOR									S. PARM OR LEASE NAME FEDERAL "E"			
Mewbourne		ny		$\perp \perp$		J. 100	K 1] ]		9. w	ELL NO.			
3. ADDRESS OF OPER		ot T	15-115	7	V.	<b>)</b>	1 Jan J	Sir.	. 10				
P. O. BOX  4. LOCATION OF WEI	L (Report local	tion clearly and is	/ 5 / 1 I	with and	State requir	2	De /	Terrary 1	Qu	erecl	io P	l or wildcat lains-Upper	
At surface 23	10' FNL a	nd 2310' Fi	EL	, 2.00 	. G	· men	305 V	2	11.5G	ne Si	rin	OK BLOCK AND BURVEY	
At top prod. into Sai At total depth	erval reported				An Man	Ay.	M.		· '	or area '-T185			
	ne SEA	,) (ado 1	14. PE	RMIT NO.	5 19 E	DATE	ISSUED		12. (	OUNTY	OR.	13. STATE	
50.	ne		i and							ARISH	_	New Mexico	
15. DATE SPUDDED	16. DATE T.D.	REACHED 17. D.	ATE COMPL.	(Ready to	prod.) 18.	. ELEV	VATIONS (D	F, RKB, I			19.	ELEV. CASINGHEAD	
5/14/85	6/12/85			/85			GL,374						
20. TOTAL DEPTH, MD . 9020'	A TVD   21. PI	LUG, BACK T.D., MD	▲ TVD   22	HOW M	TIPLE COMPL., ANY®	•	23. INTE	ERVALS LED BY		ARY TOO	LS	CABLE TOOLS	
24. PRODUCING INTER	VAL(S), OF THE	S COMPLETION—T	OP. BOTTOM.	NAME (N	AD AND TVD)*			<b>→</b>		<u>X</u>	2	5. WAS DIRECTIONAL	
Upper Bone				·	,							SURVEY MADE YES	
26. TYPE ELECTRIC A	ND OTHER LOGS	RUN			,					T	27. W	AS WELL CORED	
CDL, CDDSN	L, Micro-(	Guard										No	
29. CASING SIZE	WEIGHT, LE				ort all strings	et i		ENTING					
13-3/8"	54.5#	DEPIR	456'		1.E SIZE	17	5 sxs					None	
8-5/8"	32# & 2	4#	4542		<del></del>		0 sxs		_		ייסי	None	
5-1/2"	17#		9020'				0 sxs					None	
00	<u> </u>	TIMED DECOR		<u> </u>		1	-			a 2700			
29. SIZE	TOP (MD)	LINER RECOR	SACKS CI	EMENT®	SCREEN (MI		30. SIZE			G RECO		PACKER SET (MD)	
	(4.2)		_				2-7/			498		PACKED SOFT (AD)	
	*		-					_					
31. PERFORATION REC	ORD (Interval,	size and number)			32.	AC	ID, SHOT	FRACT	URE,	CEMENT	r squ	EEZE, ETC.	
					DEPTH INT							MATERIAL USED	
	8501-8530	,			8502-8	530		5000 42 nn	gals	15% VA D	NEF	<u>E acid.</u> Gel w/29,400#	
												00# 10/20	
								Sand.	-5007		,,,	001 107 20	
33.*					OUCTION								
DATE FIRST PRODUCT	ON PRO	DUCTION METHOD			umping—size	and t	ype of pun	tp)			STATU t-in)	s (Producing or	
7/15/85	HOURS TESTE	CHOKE SIZ		nping	OIL-BBL.		GASM	CF.	WAT	ER—BBL	. 1	Producing GAS-OIL RATIO	
7/16/85	24 hrs		TEST	PERIOD	100		6		1	50		600:1	
FLOW. TUBING PRESS.	CASING PRESS	URE CALCULATE 24-HOUR R		100	ACCEP	1 PC	·		₹ <b>D</b> '		41	eavity-api (corr.) 0 @ 740	
Vented		or fuel, vented, et	c.)			-	ジログ <b>221</b> 9	95	1	H. C			
35. LIST OF ATTACH	MENTS				•	1111	~ '* 13						
36. I hereby certiff	that the forego	ing and attached	information	is comp	lete and corre	ect as	determin	ed from	all gv	ailable r	ecords		
signed Lu	fine	hampu			xplorati				_	DATE		7/17/85	
- /	*(S	ee Instructions	and Space	es for A	dditional [	Data	on Reve	rse Sid	<b>e</b> )			,	

		TRUE VERT, DEPTH	·		•	·
GEOLOGIC MARKERS	TOP	MEAS. DEPTH 2520' 2698'	3911' 4152' 4836'	,0998	•	
38, GEOL		Base of Salt Vates	Queen Penrose San Andres Rous Suninos	con-Lower Bone Spgs. gular, st st wtr	:	
drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):	DESCRIPTION, CONTENTS, ETC.	Sandstone, clear, red, transparent, very fine to fine grained, unconsolidated, well rounded, fair sorting, some frosted, some subrounded.		Sandstone: gray, clear, very fine grained, consolidated, tight, calcareous matrix, subangular fair sorting, no visual show. Zone drilled 1-4 mins/ft. Log porosities just reach 8% in two thin spikes. Avg porosity 4-5%. Calc with sat 34-72%.	Sandstone:clear, very fine-fine grained, consolidated, friable, fair sorting, 80% w/blue-white fluorescence, mostly pinpoint & intergranular, fair bluewhite cut, good blue-white residual ring. Zone drilled 1.5-3.5 mins/ft. Crossplot porosities range 9-17% w/wtr sat calc 23-40%. Acoustic porosities 1-2% lower than crossplot porosities.	
erval tested, cu	BOTTOM	3960		4178	8530	
acluding depth int	TOP	3911		4152	8500	
drill-stem, tests, ir recoveries):	FORMATION	Иррел Queen		Pentose	Bone Springs	JUL 25 1985

.

# Form W-12

# RAILROAD COMMISSION OF TEXAS OIL AND GAS DIVISION

	UIL AND GAS DIVISION	6. RRC District		
		•		
INCLINAT (One Copy Must Be File	7. RRC Lease Number. (Oil completions only)			
1. FIELD NAME (as per RRC Records or Wildcat)	2. LEASE NAME	8. Well Number		
	FEDERAL "E"	<b>∄10</b> .		
3. OPERATOR		9. RRC Identification Number		
MEWBOURNE OIL		(Gas completions only)		
4. ADDRESS				
P.O. BOX 5270 HOBBS, NEW MEXICO	88241	10. County		
5. LOCATION (Section, Block, and Survey)				
SEC. 27, T-18-S., R-32-E		LEA, N.MEX.		
RECO	ORD OF INCLINATION			
		,		

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle X100)	15. Cowse Displacement (feet)	16. Accumulative Displacement (feet)
486	486	3/4	1,31	6.36	6.36
984	498	1/2	0.44	_2.19	8.55
1426	442	15	0.87	3.84	12.39
1925	499	3/4	1.31	6.53	18.92
2145	220	1 ½	2.18	4.79	23.71
2616	471	1 1/2	2.62	12.34	36.05
2735	119	1 1/2	2.62	3.11	39.16
2904	169	1 3/4	3.05	5.15	44.31
3372	468	1 1/2	2.18	10.20	54.51
3780	408	1	1.75	7.14	61.65
4201	421	15	0.87	3.66	65.31
4423	222	1/4	0.44	9.76	75.07
4893	470	1/4	0.44	2.06	77-13
5369	476	1/4	0.44	2.09	79.22
5859	490	1	1.75	8.57	87.79
6335	476	1 1/2	2.62	12.47	100.26

If additional space is needed, use the reverse side of this form. 17. Is any information shown on the reverse side of this form? X yes no no 18. Accumulative total displacement of well bore at total depth of 9020 194.71 \_\_\_\_\_feet. \_\_ feet = \_\_\_\_ Casing Drill Pipe \*19. Inclination measurements were made in -Tubing Open hole 20. Distance from surface location of well to the nearest lease line \_\_\_\_\_\_\_\_\_\_ \_ feet. feet. 21. Minimum distance to lease line as prescribed by field rules \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 22. Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? (If the answer to the above question is "yes", attach written explanation of the circumstances.) OPERAJOR CERTIFICATION

I declure under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of all information presented in this report, and INCLINATION DATA CERTIFICATION I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on both sides of this form and that such data and facts are true, correct, and complete to the best of my knowledge. This certification covers all data as indicated by asterisks (\*) by the item numbers on this form. that all data presented on both sides of this form are true, correct, and complete to the best of my knowledge. This certification covers all data and information presented herein except inclination data as indicated by asterisky by the item number on this form. of Authorized Representative of Authorized Representative LARRY V. BOHANNON-VICE PRESIDENT M.R. Vasicek - Drlg. Engineer Name of Person and Title (type or print) Name of Person and Title (type or print) Mewbourne Oil Company TAHOE DRILLING COMPANY Name of Company 915 Telephone: \_505 697-4173 Telephone: Area Code Area Code

Title: \_

Railroad Commission Use Only:

Designates items certified by company that conducted the inclination surveys.

Approved By: \_

Date: \_

# RECORD OF INCLINATION (Continued from reverse side)

. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle X100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
6809	474	2	3,49	16.54	116.80
7060	251	2	3.49	8.75	125.55
7309	249	2 1/5	4.36 ·	10.85	136.40
7560	251	3 1/2	6.10	15.31	151.71
7779	219	2 3/4	4.80	10.51	162.22
7985	206	1 3/4	3.05	6.28	168.50
8404	419	1 3/4	3.05	12.77	181.27
8861	457	1 4	2.18	9.96	191.23
9020	160	1 1/4	2.18	3.48	194.71
······································	1				
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·					
				15	
				E.F.	
				- Fi 14	
	<del>                                     </del>		<del> </del>	T	<del></del>
If additional space	e is needed, attach sep	arate sheet and check he	re. 🗍	JUL	1 8 1985

# - INSTRUCTIONS -

An inclination survey made by persons or concerns approved by the Commission shall be filed on a form prescribed by the Commission for each well drilled or deepened with rotary tools or when, as a result of any operation, the course of the well is changed. No inclination survey is required on wells that are drilled and completed as dry holes that are plugged and abandoned. Inclination surveys are required on re-entry of abandoned wells.) Inclination surveys must be made in accordance with the provisions of Statewide Rule 11.

This report shall be filed in the District Office of the Commission for the district in which the well is drilled, by attaching one copy to each appropriate completion for the well. (except Plugging Report)

The Commission may require the submittal of the original charts, graphs, or discs, resulting from the surveys.

UNITED STATES SUBMIT IN TRIPLICATE. Form 9-331 (May 1963) Form approved. Budget Bureau No. 42-R1424. DEPARTMENT OF THE INTERIOR (Other Instructions on reverse side) 5. LEASE DESIGNATION AND SERIAL NO. NM-4609 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 "APPLICATION FOR PERMIT—" for such proposals.) 7. UNIT AGREEMENT NAME GAS WELL WELL X OTHER 2. NAME OF OPERATOR 8. FARM OR LEASE NAME Mewbourne Oil Company <u>Federal</u> "E" 3. ADDRESS OF OPERATOR 9. WELL NO. 10 P. O. Box 1698, Tyler, Texas 15711 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
QUETECHO Plains-LOWER
BONE Springs
11. SEC., T., E., M., OR BLK. AND
SURVEY OR AREA 2310' FNL and 2310' FEL 27-T18S-R32E 14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 12. COUNTY OR PARISH | 13. STATE 3734.9' GL N.M. 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: TEST WATER SHUT-OFF PULL OR ALTER CASING REPAIRING WELL WATER SHUT-OFF FRACTURE TREAT MULTIPLE COMPLETE ALTERING CASING FRACTURE TREATMENT SHOOT OR ACIDIZE SHOOTING OR ACIDIZING ABANDONMENT\* ABANDON\* REPAIR WELL CHANGE PLANS (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) (Other) 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.)\* 6/29/85 - Welex perforated Bone Springs 8501-8530' - 1 SPF for 30 holes. Halliburton acidized with 5000 gals 15% NE-FE acid. Ran 60 RCNB. Average rate 4 BPM at 2400#. Increased to 4.9 BPM at 2600-2900#. Did not ball out. ISDP 1900#, in 5 mins 1400#, in 10 mins 1000#, in 15 mins 700#. 7/02/85 - Halliburton fracture treated Bone Springs 8501-30' with 42,000 gallons Pure Gel (30#) with 29,400# 20/40 sand + 67,000# 10/20 sand. ISIP 2310#, in 5 mins 2230#, in 10 mins 2180#, in 15 mins 2120#. 18. I hereby certify that the foregoing in rue and correct Exploration Secretary 7/02/85 TITLE DATE (This space for Federal or State office hee) APPROVED BY ACCEPTED FOR RECORD TITLE DATE CONDITIONS OF APPROVAL, IF ANY: - FLEX

JUL 8 1985

\*See Instructions on Reverse Side

N. M. OIL CORS. COMMISSION			
P. O. 80X 1090 Form 9-331 NEW MEXICO 88U-WITED STATES SUBMIT IN TRIPLICATE* (May #1643 SS. NEW MEXICO 88U-WITED STATES (Other instructions on re- DEPARTMENT OF THE INTERIOR (Other instructions on re- verse side)  GEOLOGICAL SURVEY	Form approved. Budget Bureau No. 42-R1424.  5. LEASE DESIGNATION AND SERIAL NO. NM-4609		
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.")	6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
1. OIL GAS GAS GAS GAS GAS GAS GAS GAS GAS GAS	7. UNIT AGREEMENT NAME		
WELL A WELL OTHER  2. NAME OF OPERATOR	8. FARM OR LEASE NAME		
Mewbourne Oil Company	Federal "E"		
P. O. Box 7698, Tyler, Texas 75711 ATION DIVISION	9. WELL NO. 10		
4. Location of Well (Report location clearly and in accordance with any State requirements.* See also space 17 below.)	10. FIELD AND POOL, OR WILDCAT		
At surface	Querecho Plains - Lowe Bone Springs		
2310' FNL and 2310' FEL	11. SEC., T., R., M., OR BT.K. AND SURVEY OR AREA		
	27-T18S-R32E		
14. PERMIT NO.   15. ELEVATIONS (Show whether DF, RT, GR, etc.)   3734.9   GL	Lea N.M.		
Check Appropriate Box To Indicate Nature of Notice, Report, or C	Ther Data  TENT REPORT OF:		
	REPAIRING WELL		
TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF FRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT	ALTERING CASING		
SHOOT OR ACIDIZE ABANDON* SHOOTING OR ACIDIZING	ABANDONMENT*		
REPAIR WELL CHANGE PLANS (Other) Cementing Pr (Note: Report results Completion of Recompl	of multiple completion on Well		
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates,	etion Report and Log form.) including estimated date of starting any		
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical nent to this work.) *	i depths for an markers and zones perti-		
6/12/85 - Ran 248 joints 5-1/2" 17# N-80 LT&C Casing	set at 9020'.		
DV tool at 7327'. Western cemented 1st stage with 45	0 sacks class "H"		
with .8% CF-1, .3% TF4. Displaced with 50 bbls FW +	160 bb1s mud.		
Circulated 100 sacks to pit. 2nd stage cemented with	n 950 sacks PCL		
with 1/4# Celloseal, .6% CF-1, .2% TF-4 + 300 sacks .			
with 170 bbls FW. PD at 5:30. Circulated 50 sacks of	•		
and the second of the second s	To come on and stage.		
18. I hereby certify that the large of the state of the s	ry DATE June 12, 1985		
	DATE June 12, 1905		
(This space for Péderal or State office use)  ACCEPTED FOR RECORD	<del></del>		
ADDROVED BY TITLE	T) & 07.00		

CONDITIONS OF APPROVAL, IF ANY:

JUL 1 1985

### AL CUNSERVATION COMMISSION SANTA FE REQUEST FOR ALLOWABLE FILE AND u.\$.G.\$. AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS AND OFFICE IRANSPORTER GAS OPERATOR PRORATION OFFICE Operator MEWBOURNE OIL COMPANY Address P. O. BOX 7698, TYLER, TEXAS 75711 Reason(s) for filing (Check proper box) Other (Please explain) X X Change in Transporter of: Recompletion Oil Dry Gas Change in Ownership Condensate If change of ownership give name and address of previous owner \_\_\_\_ THIS WILL HAS BORN PLACED IN THE POOD THAT D BELOW. IF YOU DO NOT CONCUR DESCRIPTION OF WELL AND LEASE | Well No. NOTIFY THIS OFFICE. Pool Name, Instituting Formation Ouerecho-Plains -Upper Bone Springs

2310 Feet From The North Line and 2310

or Dry Gas

18S 32E

Twp.

Range

P.ge.

Gas Well

32E

New Well

Х

Total Depth

TUBING, CASING, AND CEMENTING RECORD

Top Oll/Gas Pay

Pump

Casing Pressure

50

Water - Bble.

FEDERAL "E"

Name of Authorized Transporter of Oll

Phillips Petroleum Company
Name of Authorized Transporter of Casinghead Gas [X]

Phillips Petroleum Company

Designate Type of Completion - (X)

TEST DATA AND REQUEST FOR ALLOWABLE

Location

Line of Section

If well produces oil or liquids, give location of tanks.

5/14/85

3735' GL, 3750' KB

Elevations (DF, RKB, RT, GR, etc.)

HOLE SIZE

17-1/2"

7-7/8"

Date First New Oil Run To Tanks

7/15/85

24 hours

Actual Prod. During Test

Actual Prod. Test-MCF/D

Testing Method (pitot, back pr.)

CERTIFICATE OF COMPLIANCE

11"

**COMPLETION DATA** 

Date Spudded

Perforations

OIL WELL

Length of Test

GAS WELL

8501-8530'

10

Township

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Unit

18S

Sec

! 27

If this production is commingled with that from any other lease or pool, give commingling order number:

Oil Well

Date Compl. Ready to Prod.

7/14/85

Name of Producing Formation

Upper Bone Springs

CASING & TUBING SIZE

13-3/8"

8-5/8"

5-1/2"

Date of Teet

Oil - Bble.

Tubing Pressure

100

Length of Test

unprou

hereby certify that the rules and regulations of the Oil Conservation commission have been complied with and that the information given bove is true and complete to the best of my knowledge and belief.

(Signature)

(Title)

(Date)

EXPLORATION SECRETARY

JULY 17, 1985

7/16/85

Tubing Pressure (Shut-in)

Χ

Form C-104 Supersedes Old C-104 and Effective 1-1-65

Legse No.

NM-4609

County

Same Res'v. Diff. Res'v.

8498'

SACKS CEMENT

475

2600

1400

Federal

Fast

LEA

Bbis. Condensate/MMCF	Gravity of Condensate		
Cosing Pressure (Shut-in)	Choke Size		
APPROVED JUL 1  BY STYLL	1985 . 19		
This form is to be filed in	compliance with RULE 1104. wable for a newly drilled or deepened anied by a tabulation of the deviation		

State, Federal or Fee

hadress (Give address to which approved copy of this form is to be sent)

P.O.Box 791, Midland, Texas 79702

Address (Give address to which approved copy of this form is to be sent)

When

P.B.T.D.

Tubing Depth

Depth Casing Sh

Choke Size

Gas - MCF

60

P.O.Box 791, Midland, Texas 79702

Feet From The

, NMPM,

is gas actually connected?

Workover

9020'

DEPTH SET

456!

4542'

9020'

Producing Method (Flow, pump, gas lift, etc.)

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Yes

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

Form 9-331 (May 1963)	1	UNITED_STA	PO. BOX	1900 SUBMIT IN ELA MOTALE CONTROL	TRIPLICATE*	Form appro Budget Bur	ved. eau No. 42-R1424.
		MENT OF THE		OR verse side)	#	5. LEASE DESIGNATION NM-4609	N AND SERIAL NO.
SII	NDRY NOTI			ON WELLS		6. IF INDIAN, ALLOTT	EE OR TRIBE NAME
(Do not use th	is form for proposi Use "APPLICA	als to drill or to	the and much of	opdsale //   5	gervoir.		
1. OIL GAS		ì		3		7. UNIT AGREEMENT I	NAME
WELL X WELL  2. NAME OF OPERATOR				<del>8 1985     </del>		8. FARM OR LEASE NA	AME
Mewbourne 3. ADDRESS OF OPERAT		any Ol	L CONSERV		<i>)</i>	Federal "E	····
P. O. Box		ler, Texas	s 757ÎÎ	TA FE	•	9. WELL NO.	
4. LOCATION OF WELL See also space 17 b At surface	(Report location cl elow.)	early and in accord	dance with any	State requirements.		10. FIELD AND POOL, Querecho Pla	or WILDCAT Lins-Lower Bone
2310' FNL	and 2310	' FEL				11. SEC., T., R., M., OR SURVEY OR ARE 27-T18S-R32E	<b>I</b> ▲
14. PERMIT NO.		15. ELEVATIONS (	-	RT, GR, etc.)		12. COUNTY OF PARIS	H 13. STATE
	·	3734	.9' GL	7.14		Lea	N.M.
16.			o Indicate N	ature of Motice,			
	NOTICE OF INTEN					ENT REPORT OF:	
TEST WATER SHUT FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other)	, A	ULL OR ALTER CASI IULTIPLE COMPLETI BANDON* HANGE PLANS			ACIDIZING menting	ALTERING ABANDONM Intermediate of multiple completion tion Report and Log f	casing ENT* String
17. DESCRIBE PROPOSED proposed work, nent to this work	OR COMPLETED OPER	RATIONS (Clearly st	ate all pertinent				
	Hi-Seal -		and 200	sacks of		er lite with	
						WAS TO	
18. I hereby certify th	at the foregoing is	true and correct			arishad.	A A A A A A A A A A A A A A A A A A A	71 1005
SIGNED CHY	nu jn	myrm	TITLE EX	ploration	Secretar	Y DATE May	y 31, 1985
(This space Ast Fe	APPROVAL, IF A	DR RECORD	TITLE			DATE	
	JUL <b>1</b>	1985	_				

\*See Instructions on Reverse Side

CARIGRAD NEW MEXICO

UNITED STATES SUBMIT IN TRIPLICAT (May 1963)  DEPARTMENT OF THE INTERIOR verse side)  CEOLOGICAL SUBMEX	Form approved. Budget Bureau No. 42-R1424.  LEASE DESIGNATION AND SERIAL, NO.  NM - 4609
GEOLOGICAL SURVEY  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.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL GAS	7. UNIT AGREEMENT NAME
WELL &A WELL OTHER  2. NAME OF OPERATOR  HORBS, NEW MEXICO 33240  Mewbourne Oil Company	8. FARM OR LEASE NAME Federal "E"
3. ADDRESS OF OPERATOR	9. WELL NO.
P. O. Box 7698, Tyler, Texas 75711.  LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  See also space 17 below.)  At surface	10 10. FIELD AND FOOL, OR WILDCAT Querecho Plains-Lowe Bone Springs
2310' FNL and 2310' FEL JUL 8 1365	11. SEC., T., R., M., OR BEK. AND SURVEY OF ABEA  27-T18S-R32E
14. PERMIT NO.   15. ELEVATIONS (Show whether of RT GE, etc.)   3734.9' GL	Lea N.M.
Check Appropriate Box To Indicate Nature of Notice, Report, or	Other Data
NOTICE OF INTENTION TO:	EQUENT REPORT OF:
(NOTE: Report resu	REPAIRING WELL  ALTERING CASING  ABANDONMENT*  1g Surface Casing  lits of multiple completion on Well
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dat proposed work. If well is directionally drilled, give subsurface locations and measured and true ver nent to this work.)	mpletion Report and Log form.) tes, including estimated date of starting any tical depths for all markers and zones perti-
Spud 7:30 P.M. 5/14/85.	
5/15/85 - Ran 13-3/8" 54.50# ST&C Casing (436') second Class "C" with 2% CaCl + 1/4# Flocele. Second Circulated 114 sacks to surface.	t at 456' with 475 sacks ¼D to 425' at 6:15 A.M.
	1995
18. I hereby certify that the foregoing is that and correct  SIGNED WILL Exploration Secretary	5/20/85

JUL 1 1985

(This space to Tederal or State office used

APPROVED BY ACCEPTED FOR RECORD CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

TITLE

DATE \_

CONDITIONS OF APPROVAL, IF ANY :

UNITED	STATIESOU COURT	reverse side)
PARTMENT OF	THE INTERIO	Ridding in

5. LEASE DESIGNATION AND SERIAL NO. POLCOIMING. GEOLOGICAL SORS YNEW NM-4609 ... 1 ,... 6. IF INDIAN, ALLOTTEE OR TRIBE NAME OR PEERGOBACK APPLICATION FOR PERMIT TO DRILL 1a. TYPE OF WORK 7. UNIT AGREEMENT NAME DRILL 🗵 DEEPEN | PLUG BACK 🗌 - : . . b. TYPE OF WELL SINGLE MULTIPLE S. FARM OR LEASE NAME WELL X 2. NAME OF OPERATOR Federal "E" Mewbourne Oil Company 9. WELL NO. 3. ADDRESS OF OPERATOR P. O. Box 7698, Tyler, fexas 75711 Tion Division Outracto Flairs Luowe: Bone Springs 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*) SEC., T., R., M., OB BI.K. 2310' FNL and 2310' FEL AND SURVEY OR AREA At proposed prod. zone Same 27-T18S-R32E 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* 12. COUNTY OR PARISH | 13. STATE 11-1/2 miles North to Maljamar Lea 15. DISTANCE FROM PROPOSED\*
LOCATION TO NEARBST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. line, if any) 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED . TO THIS WELL 40 2310' 640 19. PROPOSED DEPTH 18. DISTANCE FROM PROPOSED LOCATIONS 20. ROTARY, OR CABLE TOOLS TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 9200' 1740' =Rotary 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. APPROX. DATE WORK WILL START\* 3734.9' GL Immediately 23. PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 450' 17-1/2" 3-3/8" 54# 650 sacks - circulated 45001 8-5/8" 24# & 32# 600 sacks =-7-7/8" 5-1/2" 17# 92001 80.0 sacks Hydril 900 Series and Shaffer Model 39-3000 Hydraulic Blowout Preventer Drill with brine water to 8500'. Salt mud from 85 Mud Program: Flush with mud for logging

IN ABOVE SPACE DESCRIBE PROFOSED 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,

24. TITLE Exploration Secretary for Federal or State office use) (This space PERMIT NO. APPROVAL DATE Orig: Sgd. Cha Le S. Politan Area Manager APPROVED BY

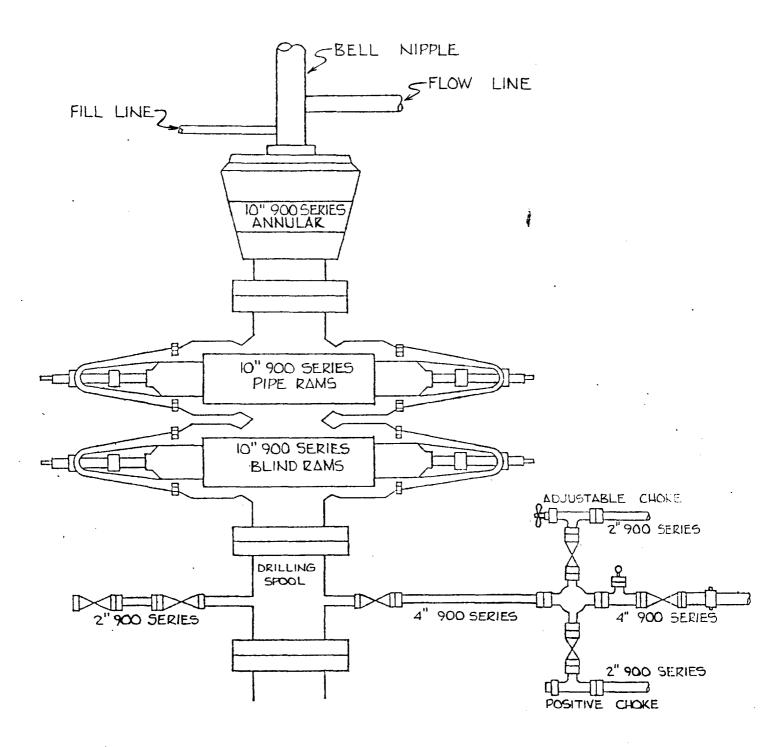
\*See Instructions On Reverse Side

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

# NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 14-65

All distances must be from the outer boundaries of the Section. Leuse Well No. Operator MEWBOURNE OIL COMPANY Federal E 10 Hemaje Section Township County Unit Letter 18 South 32 East Lea Actual Footage Location of Well; 2310 North East 2310 feet from the line and lest from the Producing Formation Ground Level Elev. Dedicated Acregae: Bone Springs Querecho Plains-Lower Bone Springs 3734.9 Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? Yes ∏ No If answer is "yes," type of consolidation \_\_\_\_ If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)\_ No allowable will be assigned to the well untit all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, climinating such interests, has been approved by the Commis-CERTIFICATION I hereby certify that the information conteines herein is true and complete to the best of my knowledge, and bellef. FEDERAL "E" LSE. Gaylon Thompson 40 AC. Exploration Secretary . 1740' Mewbourne Oil Company 2310 April 11, 1985 MEWBOURNE OIL COMPANY I hernby certify that the well location 640-ACRE LEASE wn an this plat was platted from field es of actual surveys made by me or my supervision, and that the same LERSCHEL knowledge and belief. Date Surveyed 3/8/85 Registered Professional Ejigineer and/or Land Surveyor



LEA
MEWBOURNE OIL

Querecho Plains 10 Federal "E" Sec 27, T18S, R32E NM Page #2

7-29-85

Continued

\*Denotes changes & additions

8-3-85 9-21-85 COMPLETION ISSUED
RE-ISSUED COMPLETION

8-1-41 NM

IC 30-025-70214-85

CONTR Tahoe Drlg #4 OPRSELLY 3735 GR, 3750 KB SUBS 14

F.R. 5-6-85 PD 9200 RT (Bone Spring) 5-21-85 Dr1g 3600 Dr1g 3945 5-22-85 Drlg 5555 5-28-85 Drlg 6375 5-30-85 Drlg 7985 6-4-85 6-6-85 Dr1g 8455 TD 9020; Rng Csg 6-13-85 \*No Cores or DST's TD 9020; Complete 7-29-85 Perf (Bone Spring Upper) 8501-8530 w/1 SPF \*Acid (8501-8530) 5000 gals (15% NEFE) \*Frac (8501-8530) 42,000 gals gel + 96,400# sd \*LOG TOPS: Base Salt 2520, Yates 2698, Queen 3911, Penrose 4152, San Andres 4836, Bone Spring 7009, Bone Spring Lower 8660 \*LOGS RUN: CDL, CDD, SONL, MICL, GRDL 8-1-41 NM