Mobil Exploration & Producing U.S. Inc.

'91 JAN 22 MA 10 13

January 18, 1991

P.O. BOX 633 MIDLAND, TEXAS 79702-0633

New Mexico Oil Division

P.O. Box 2088

Santa Fe, New Mexico 87501

SNYDER ASSER
ENVIRONMEN
LOSS PREVEN

Attention: Mr. William J. LeMay

SNYDER ASSET TEAM ENVIRONMENTAL, REGULATORY & LOSS PREVENTION

PHONE (915) 688-1753 FACSIMILE (915) 688-2050

EXCEPTION TO RULE 303(A) CARSON WATSON WELL NO. 2 BLINEBRY and TUBB POOLS LEA COUNTY, NEW MEXICO

Gentlemen:

Mobil Exploration & Producing U.S. Inc., as agent for Mobil Producing Texas & New Mexico, Inc. (MPTM), requests administrative approval to downhole commingle production from the Tubb and Blinebry Oil and Gas Pools within the wellbore of its Carson Watson Well No. 2 located 990 feet from the East line and 2175 from the North line (Unit H) of Section 33, T-21-S, R-37-E, Lea County, New Mexico.

The subject well is dually completed in the Tubb and Blinebry Oil and Gas Pools. The Blinebry produces 110 MCFD while the Tubb produces 35 MCFD. Recently, this well failed a packer leakage test which indicates that the Tubb and Blinebry formations are in communication downhole. Therefore, Mobil is requesting a downhole commingling permit for the Tubb and Blinebry zones.

The subject well meets all prerequisites for commingling, as set out in Rule 303(C). The ownership of these zones is common, and they have been successfully commingled on adjacent leases with no incompatibility of fluids found.

In support of this application, the following is submitted:

- 1) Location Plat;
- 2) Data sheet for both zones;
- 3) Computation of relative values for hydrocarbons;
- 4) Wellbore sketch;

New Mexico Oil Conservation Division -2-January 16, 1991 Exception to Rule 303(A) Carson Watson No. 2

- 5) C-116 Form Well test for the Carson Watson #2
- 6) List of offset operators.
- 7) C-101 & C-102 forms.
- 8) Copy of cover letter with attached Administrative Orders NSL-180, NSP-474, and NSP-475.

All offset operators have been notified of MPTM's request by copy of this application.

In conclusion, MPTM believes that approval of this request will result in more efficient recovery of hydrocarbons and will extend the productive life of both zones, thereby preventing waste. If any further information is needed, please contact J. W. Dixon at (915) 688-2452.

Yours very truly,

MOBIL EXPLORATION & PRODUCING U.S. INC. AS AGENT FOR MOBIL PRODUCING TEXAS & NEW MEXICO, INC.

G. N. Miller

Environmental, Regulatory and Loss Prevention Supervisor

JWDixon

attachments

cc: NMOCD - Hobbs/application plus original C-101 & C-102 Offset Operators Commissioner of Public Lands - application plus \$30 fee P.O. Box 1148 Santa Fe, New Mexico 87504-1148 New Mexico Oil Conservation Division -3-January 16, 1991 Exception to Rule 303(A) Carson Watson No. 2

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G. N. Miller

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JWDixon

attachments

cc: NMOCD - Hobbs/application plus original C-101 & C-102 Offset Operators Commissioner of Public Lands - application plus \$30 fee P.O. Box 1148 Santa Fe, New Mexico 87504-1148

bcc: w/attachment
 Central Files
 Regulatory Files
 Proration Acct Operations Supv. - (Andrews) R. P. Pratt
 RMT Leader - T. Buchanon - 1133 UBB

Submit to Appropriate District Office State Lease — 6 copies

8-3/4

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-101 Revised 1-1-89

BO20' (Temp Sur)

1000

775

P.O. Box 208	В	NA	Type of Lease	on New Wells)
		6. State Oil	& Gas Lease !	vo.
TO DRILL, DEEPEN, C	R PLUG BACK			
		7. Lease Na	me or Unit Ag	reement Name
	PLUG BACK X		·	
Inc		8. Well No.	2	
roducing U.S.Inc.		1		-у
Nonth	Line and 990	Feet	From The	East Line
astrip 21S Rad	37E	NMPM	Lea	County
10. Proposed Depth	11.	Formstion		12. Rotary or C.T.
14. Kind & Status Plug. Bond On file	15. Drilling Contracto Unknown	5	16. Approx. 1 ASAP	Date Work will start
ROPOSED CASING A	ND CEMENT PROG	RAM		
WEIGHT PER FOOT	SETTING DEPTH	SACKS O	F CEMENT	EST. TOP
48#	303	300		Circ
	P.O. Box 208 Santa Fe, New Mexico TO DRILL, DEEPEN, Co R DEEPEN	e Commingle 2008 2008 X Inc. roducing U.S. Inc. Prom The North Line and 990 10. Proposed Depth 11. 14. Kind & Sanus Plug. Bond On file Unknown ROPOSED CASING AND CEMENT PROG	P.O. Box 2088 Santa Fe, New Mexico 87504-2088 5. Indicate 7 6. State Oil TO DRILL, DEEPEN, OR PLUG BACK T. Lease Na PLUG BACK Ca e Commingle SONGER 20NR E Commingle SONGER 20NR BULTPUR X 8. Well No. 10. Inc. Prom The North Line and 990 Feet Tubb 10. Proposed Depth 11. Formation 14. Kind & Status Plug. Bond On file 15. Drilling Contractor Unknown ROPOSED CASING AND CEMENT PROGRAM WEIGHT PER FOOT SETTING DEPTH SACKS OF	P.O. Box 2088 Santa Fe, New Mexico 87504-2088 5. Indicate Type of Lesse ST. 6. State Oil & Gas Lesse ST. 7. Lesse Name or Unit Ag Carson Water Commingle ST. 8. Well No. 9. Pool same or Wildest Tubb/Blinebras Again 218 From The North Line and 990 10. Proposed Depth 11. Formation 14. Kind & Status Plug. Bond On file 15. Drilling Contractor Unknown ASAP ROPOSED CASING AND CEMENT PROGRAM WEIGHT PER FOOT SETTING DEPTH SACKS OF CEMENT

The well is presently producing out of the Tubb and Blinebry zones. Permission is requested to plug back and recomplete the well as a downhole commingled Tubb and Blinebry well.

2966

7470

NA

NA

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ZONE. GIVE BLOWOUT PREY	CRIBE PROPOSED PROGRAM: IF PROPOSAL ENTER PROGRAM, IF ANY.	,	DATA ON PRESENT PRODUCTIVE 20NI	E AND PROPOSED NEW PRODUCTIVE
SKINATURE TYPE OR PRINT NAME	Jydy Dixon	Engineering Mobil Produc	Technician ing Texas & New Mexico d through its agent ation & Producing U.S.	
(This space for State Use)				
APPROVED BYCONDITIONS OF APPROVAL,	F ANY:	тие		DATE

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

330

660

990

1320

1650

1980 2310 2640

2000

1500

1000

500

a

State of New Mexico Energy, Minerals and Natural Resources Department

Santa Fe. New Mexico 87504-2088

Form C-102 Revised 1-1-89

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION P.O. Box 2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410 WELL LOCATION AND ACREAGE DEDICATION PLAT All Distances must be from the outer boundaries of the section Well No. Operator |Mobil Producing Tx. & N. M. Inc. 2 Carson Watson Unit Letter Section Township County Η 33 21S 37E Lea **NMPM** Actual Footage Location of Well: feet from the North feet from the East 2175 line and line Ground level Elev. Producing Formation Dedicated Acreage: Tubb/Blinebry Tubb/Blinebry NA 1. Outline the acrenge dedicated to the subject well by colored pencil or hackure 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 interest 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 neccessary. No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION I hereby certify that the information sined herein in true and complete to the best of my knowledge and belief. <u>Judy W. Dixon</u> Printed Name Environmental & Regulatory Position Unit H Mobil Producing Texas & New Mexico Inc Company acting by and through its agent Mobil Exploration & Producing U.S. Inc. Date T21S R37E 7/83/8///// SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my The Carson Watson Com was formed under supervison, and that the same is true and authority of the New Mexico 011 Conservation correct to the best of my knowledge and Commission on May 8, 1959 belief. Date Surveyed Signature & Seal of Professional Surveyor Certificate No.

OFFSET OPERATORS

AMERADA HESS CORPORATION
ATTN: ENVIRONMENTAL & REGULATORY DEPT.
BOX 840
SEMINOLE, TX 79360

AMOCO PRODUCTION COMPANY
P. O. BOX 3092
ATTN: MARY CORLEY, RM 3.258
HOUSTON, TX 77253

CHEVRON USA, INC.
(formerly Gulf Oil Co.)
ATTN: ENVIRONMENTAL & REGULATORY DEPT.
P. O. BOX 1150
MIDLAND, TX 79702

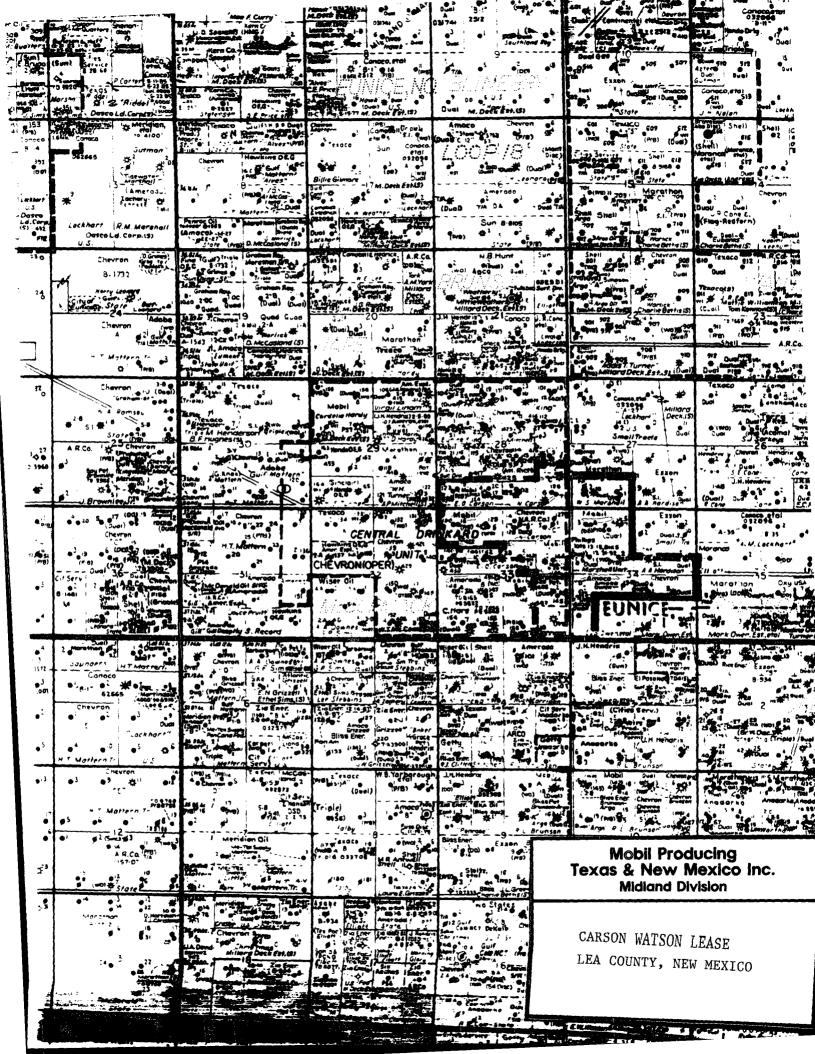


EXHIBIT "A" DATA SHEET

APPLICATION FOR EXCEPTION TO RULE 303(a) NEW MEXICO OIL CONSERVATION COMMISSION'S RULES & REGULATIONS ALLOWING DOWNHOLE COMMINGLING OF DUALLY COMPLETED OIL WELLS BY ADMINISTRATIVE PROCEDURE (ORDER NO. R-3845)

1.	Lease NameCARSON WATSON COM	
2.	Well No. $\frac{2}{}$	
3.	Well Location: Unit $\frac{H}{}$, $\frac{990}{}$	feet from East line, North line of Section,
	·	Range, Lea County,
	New Mexico	
4.	Upper Zone Blinebry	
5.	Completion Interval 5473-5700	
6.	Lower Zone Tubb	
7.	Completion Interval 6068-6224	
3.	Current Productivity Test Summary	
		Blinebry Tubb (Upper Zone) (Lower Zone)
011 Gas Wat GOR	ducing Method Bbl./day Mcf/day er Bbl/day Limit	Flow Flow 0 0 110 35 0 0 0 0 0 0 0 0
ĝ.	Bottom-hole Pressure of Upper Zone	400
<u>:</u> 0.	Bottom-hole Pressure of Lower Zone	450
 •	Fluid Characteristics of Each Zone	NA. Gas zones.

EXHIBIT "B"

CCMPUTATION OF RELATIVE VALUES OF THE HYDROCARBON PRODUCTIVE BEFORE AND AFTER DOWNHOLE COMMINGLING (STATEWIDE RULE 303-C-2-H)

Lease and Well No. Carson Watson Com 2

	UPPER POOL PROPOSED	LOWER POOL	COMMINGLED
Pcol Name	Blinebry	Tubb	Blinebry/Tubb
Gravity, API			
Selling price/BBL.	1.50	1.50	1.50
Daily Producint/ROKMCF.	110	35	145
Daily Income	\$165.00	\$52.50	\$217.50
TOTAL DAILY INCOME (POOLS	SEPARATED) \$217	7.50	
Net difference realized f	rom downhole comm	ingling based o	on current well test=
gain.			
REMARKS:			
Please note that i	f it is necessary	to work this we	ell over to repair downhole
communication betw	ween the Blinebry	and Tubb zones,	then Mobil cannot
economically justi	fy the continued	production of tl	ne Tubb zone (35 MCFD)
as a separate zone	. It would becom	e necessary to a	abandon the Tubb
reserves and compl	ete this well as	a single Blineb	ry producer.

Modrall, Seymour, Sperling, Roehl & Harris

me

. SIMMS BUILDING

P. O. BOX 466

ALBUQUERQUE, NEW MEXICO

TELEPHONE CHAPEL 3-4514

JOHN F. SIMMS (1885-1954)

GEORGE T. HARRIS DANIEL A. SISK DEAN P. KIMBALL

JOSEPH E. ROEHL

J. R. MODRALL

LELAND S. SEDBERRY BURNS H, ERREBO ALLENIC, DEWEY

AUGUSTUS T. SEYMOUR S

May 13, 1959

Mr. D. D. Layton Magnolia Petroleum Company Post Office Box 900 Dallas 21, Texas

> Re: Application of Magnolia Petroleum Company for approval of unorthodox well location for Carson No. 2 and nonstandard gas proration unit in Blinebry and Tubb gas pools.

Dear Mr. Layton:

I am enclosing herewith the following orders of the commission issued, granting the above application:

- 1. Administrative Order NSL-180, which approves the unorthodox well location for the J. N. Carson No. 2;
- 2. Administrative Order NSP-474, which establishes a 79-acre nonstandard gas provation unit as to the Blinebry formation in which this well is completed; and
- 3. Administrative Order NSP-475, which establishes a 79-acre nonstandard gas proration unit for the Tubb formation in which this well is completed.

Order NSL-180 requires that approval be obtained from the United States Geological Survey in the event this well is on Federal acreage. If this should be the case I suggest that the U.S.G.S. be contacted in Roswell.

Buruhlersh

Burns H. Errebo

BHE:mbf Enclosures

cc: Mr. R. D. Myers, Jr.
Mr. Jack Vickrey

GOVERNOR JOHN BURROUGHS CHAIRMAN

State of New Mexico Oil Conservation Commission

LAND COMMISSIONER MURRAY E. MORGAN MEMBER



STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY DIRECTOR

P. O. BOX 871 SANTA FE March 8, 1959

Magnolia Petroleum Company c/o Modrall, Seymour, Sperling, Roehl and Harris P. O. Box 466 Albuquerque, New Mexico

Attention: Mr. Burns H. Errebo

Administrative Order NSL-180

Gentlemen:

Reference is made to your application for approval of an unorthodox well location for your J. N. Carson Well No. 2 located 2175 feet from the North line and 990 feet from the East line of Section 33, Township 21 South, Range 37 East, Tubb and Blinebry Gas Pools, Lea County, New Mexico.

It is our understanding that this unorthodox well location is occasioned by the recompletion of a well previously drilled to another horizon.

Therefore, by authority granted me under provisions of Rule 3 of the Special Rules and Regulations of the Tubb and Blinebry Gas Pools, as set forth in Orders 586 and 610, you are hereby granted an exception to Rule 2 of Orders 586 and 610 for the above described unorthodox well location. You must also obtain like approval from the U. S. Geological Survey if the well is located on land subject to the jurisdiction of the U. S. Geological Survey.

Very truly yours,

A. L. PORTER, Jr., Secretary-Director

ALP/OEP/og

GOVERNOR JOHN BURROUGHS

State of New Mexico

Oil Conservation Commission

LAND COMMISSIONER MURRAY E. MORGAN



P. O. BOX 871 SANTA FE May 8, 1959 STATE GEOLOGIST

A E PORTER, JR.
SECRETARY DIRECTOR

With-

Magnolia Petroleum Company c/o Modrall, Seymour, Sperling, Roehl and Harris P. O. Box 466 Albuquerque, New Mexico

Attention: Burns H. Errebo

Administrative Order NSP-474

Gentlemen:

Reference is made to your application for approval of a 79acre non-standard gas proration unit in the Blinebry Gas Pool consisting of the following acreage:

> TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM Section 33: S/2 NE/4 with the exception of one acre in the extreme SE corner of said S/2 NE/4

Carson Well No. 2, located 2175 feet from the North line and 990 feet from the East line of said Section 33.

By authority granted me under provisions of Rule 5 (B), of the Special Rules and Regulations for the Blinebry Gas Pool, as set forth in Order R-610, you are hereby authorized to operate the above described acreage as a non-standard gas proration unit, with allowable to be assigned thereto in accordance with the pool rules, based upon the unit size of 79 acres.

Very truly yours,

A. L. PORTER, Jr.

Secretary-Director

ALP/OEP/og

cc: Oil Conservation Commission - Hobbs

Revised 1/1/89 Form C-116

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

1000 Rio Brazos Rd., Aziec, NM 87410

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

P.O. Box 1980, Hobbs, NM 88240

DISTRICT

inbrait 2 copies to Appropriate

Verrice Office.

DISTRICT

GAS - OIL RATIO TEST

Operator Mobil Producing TX.	TX. & N.M. Inc.,	0.6	0	5	1	Pool Blinebry Oil & Gas	888					<u>0</u>	County			
113	con Expi. a	5	9	ان	5	1	7000	7				1				
Address P.O. Box 633	Midland, Texas 79702	as 7.	9702				TEST - (X)	 8	Scheduled X	X	S	Completion		S	Special	
	WELL	_	LOCATION	NOF		DATEOF	SUT	CHOKE	TB G.	DAILY	LENGTH	8	QL	NG TEST	CAS	GAS-OIL RATIO
LEASE NAME	Š	2	S	1	Œ	TEST	ATS	SIZE	PRESS.	ABLE	HOURS	WAIEH BBLS.	5 6	BBLS.	MCF	CU.FT/88L
BRUNSON ARGO	1-	a	60	22	37	08-10-90	۵		20		24	0	40.8	<u>-</u> _	51	51000
	130	∢	60	22	37	08-23-90	۵	3/4"	09		24	0	-	0	183	
CARSON WATSON COM	ZUT	I	33	21	37	06-60-80	u.	-	65		24	0	l I	0	02	 -
CORDELIA HARDY	_ &	ပ	29	21	37	08-12-90	۵	2/8"	65	-	24	7	34.0	3.2	84	26250
CORRIGAN GAS COM	70	۵	33	21	37	08-01-90	ш	.8/9	65		24	0	34.2	∞.	4	17500
E. O. CARSON	14	ပ	33	21	37	08-10-90	۵	3/4"	65		24	0	36.5	2	113	22600
	19C		28	21	37	08-11-90	ш	1-1/8"	09		24	0		0	191	 -
MARSHALL COM	ო	۵	34	21	37	08-01-90	u.	F 1/2"	09		24	0	!	0	32	
S. E. LONG	5-C	0	Ξ	22	37	08-21-90	Ľ.		09		24	0	41.9	8	499	249500
	80		=	22	37	08-23-90	ш		09		24	0		0	009	
														,		
																
							_			Ž.	ereby ce	rtify tha	the ab	ove infe	rmation	I hereby certify that the above information is true and

Instructions:

During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Division.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F.

ENVIRON/REGULATORY TECHNICIAN

Printed name and title

09-12-90

Date

T. B. THIEL

Signature

complete to the best of my knowledge and belief.

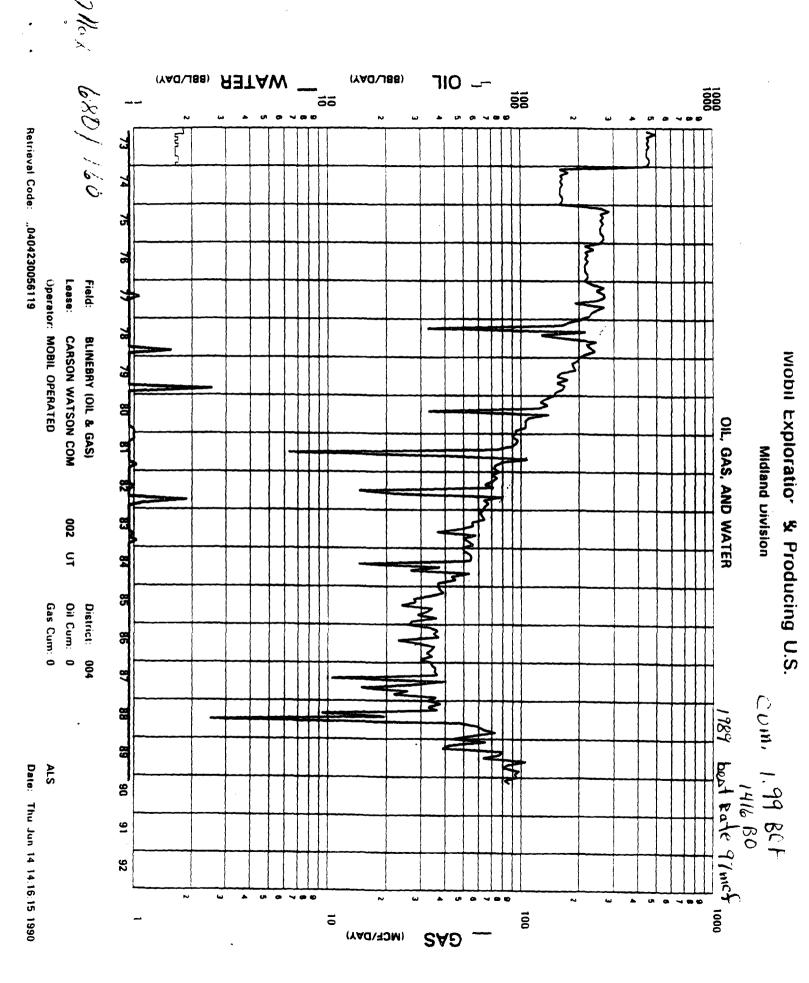
Telephone No.

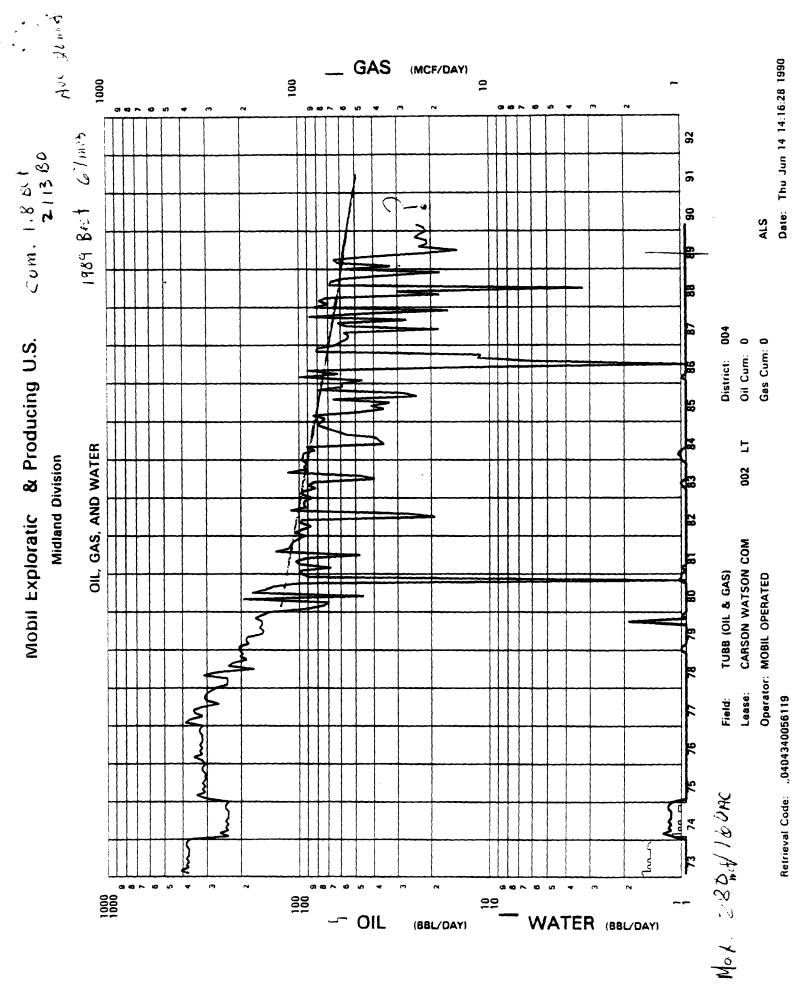
915-688-2172

Report casing pressure in lieu of tubing pressure for any well producing through casing. Specific gravity base will be 0.60.

(See Rule 301, Rule 1116 & appropriate pool rules.)

FIELD Elinebry Ess	Tick Gar	OPERATOR Mobil Oil	Coca	DATE 5-25-7	G
LEASE		WELL	NETLOCATION	3-2/S-37 <i>E</i>	
Carson Wa		et at <u>303</u>	with <u>300</u>		cement
Room Room Room Room Room Room Room Room	ole size 12 - - 3020' Cmt Tou	(Temp Survey)	with /000	-5700	cement
Hipke Tubb	379' Mod R-5 1 6040' Baker Med Perfs 6068'-42 7,250' PB.T.D. urger Ferfs 7365 7 "casing	- 5700' d D PKr 224' 7	-	7365-80; 1388-93; 7405-27	cement
To	otal Depth 74	70' Hole size	8 3/2 "	1 cm	





GOVERNOR JOHN BURROUGHS CHAIRMAN

State of New Mexico Oil Conservation Commission

LAND COMMISSIONER MURRAY E. MORGAN



STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY DIRECTO

P. C. BOX 671 SANTA FE May 8, 1959

Magnolia Petroleum Company c/o Modrall, Seymour, Sperling, Roehl and Harris P. O. Box 466 Albuquerque, New Mexico

Attention: Mr. Burns H. Errebo

Administrative Order NSP-475

Gentlemen:

Reference is made to your application for approval of a 79acre non-standard gas proration unit in the Tubb Gas Pool consisting of the following acreage:

> TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM Section 33: S/2 NE/4 with the exception of one acre in the extreme SE/4 corner of said S/2 NE/4

Carson Well No. 2, located 2175 feet from the North line and 990 feet from the East line of said Section 33.

By authority granted me under provisions of Rule 5 (d), of the Special Rules and Regulations for the Tubb Gas Pool, as set forth in Order R-586, you are hereby authorized to operate the above described acreage as a non-standard gas proration unit, with allowable to be assigned thereto in accordance with the pool rules, based upon the unit size of 79 acres.

Very truly yours,

A. L. PORTER, Jr., Secretary-Director

ALP/OEP/og



GARREY CARRUTHERS

GOVERNOR

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION AN 9 28 HOBBS DISTRICT OFFICE 3

1-24-91

POST OFFICE BOX 1980 HOBBS, NEW MEXICO 88241-1980 (505) 393-6161

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501
RE: Proposed: MC DHC V NSL NSP SWD WFX PMX
Gentlemen:
I have examined the application for the:
Mobil Producing TX + Nm Inc. Carson Watson Com #2-H Operator Lease & Well No. Unit S-T-R 33-21-37
and my recommendations are as follows:
Both gones are prorated gas
To recommendation
Yours very truly, Jerry Sexton Supervisor District 1