

Mobil Exploration & Producing U.S. Inc.

'91 JUN 20 AM 9 16

June 17, 1991

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

MIDLAND SOUTH ASSET TEAM
ENVIRONMENTAL, REGULATORY &
LOSS PREVENTION

PHONE (915) 688-1753
FACSIMILE (915) 688-2445

State of New Mexico
Energy and Minerals Department
New Mexico Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 87501
Attention: Mr. William J. LeMay

APPLICATION FOR NON-STANDARD
LOCATION AND SIMULTANEOUS DEDICATION
AND DHC-786 Cancellation
BRUNSON ARGO WELL NO. 12
BLINEBRY OIL & GAS POOL
LEA COUNTY, NEW MEXICO

Gentlemen:

Mobil Exploration & Producing U.S. Inc., as agent for Mobil Producing Texas & New Mexico, Inc. (MPTM), previously obtained authority for Downhole Commingle (DHC-786- dated 3/15/91) to commingle production for the above referenced well. This notice is to advise you that the Brunson Argo Well No. 12 was recompleted to the Blinebry Oil & Gas Pool as a single completion instead of downhole commingled Blinebry and Tubb. Please delete this well from the existing commingle permit.

The test indicates the well is a gas well and it is located on the 80-acre gas proration unit dedicated to our Brunson Argo #13-A 9/22/37. We are requesting approval of the non-standard location and simultaneous dedication of this well to the 80-acre gas proration unit.

In support of this application, the following is submitted:

- 1) C-101 & C-102
- 2) Copy of C-103 & C-104 & C-122 previously filed with District.
- 3) List of offset operators.

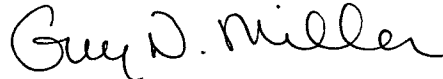
New Mexico Oil Conservation Division -2-
June 13, 1991
DHC-786 Cancellation
Brunson Argo Well No. 12

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

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 LP
Supervisor

JWDixon
cc: w/attachments
NMOCD - Hobbs

Offset Operators
Commissioner of Public Lands
P.O. Box 1148
Santa Fe, New Mexico 87504-1148

Central Files
Regulatory Files
Proration Acct.
Resv. Engr - M. Jimenz - 1142 TCB
Ops. Supv - R. P. Pratt - Andrews

OFFSET OPERATORS

ARCO
BOX 1610
MIDLAND, TX 79702

TEXACO
BOX 3109
MIDLAND, TX 79702

J. H. HENDRIX CORPORATION
223 W. WALL, STE 525
MIDLAND, TX 79702

CHEVRON
BOX 1150
MIDLAND, TX 79702

MKA OIL COMPANY
500 W. TEXAS, STE. 1230
MIDLAND, TX 79702

OXY
BOX 50250
MIDLAND, TX 79710

ANADARKO PETROLEUM CO.
BOX 2497
MIDLAND, TX 79702

EXXON COMPANY, U.S.A.
BOX 1600
MIDLAND, TX 79702

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

API NO. (assigned by OCD on New Wells)
30-025-10144

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☒ RE-ENTER ☐ DEEPEN ☐ PLUG BACK ☐

b. Type of Well:

OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. Name of Operator

Mobil Producing TX. & N.M. Inc.*

7. Lease Name or Unit Agreement Name

BRUNSON ARGO

3. Address of Operator *Mobil Exploration & Producing U.S. Inc., as Agent for
Mobil Producing TX. & N.M. Inc., P. O. Box 633, Midland, TX 79702

8. Well No.

12

4. Well Location

Unit Letter H : 589 Feet From The EAST Line and 1909 Feet From The NORTH Line

Section 9

Township 22S

Range 173

NMPM LEA

County

10. Proposed Depth

7471

11. Formation

BLINEBRY

12. Rotary or C.T.

X

13. Elevations (Show whether DF, RT, GR, etc.)

GL 3422

14. Kind & Status Plug. Bond

BLANKET

15. Drilling Contractor

GREAT BASIN

16. Approx. Date Work will start

4/8/91

17.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE

SIZE OF CASING

WEIGHT PER FOOT

SETTING DEPTH

SACKS OF CEMENT

EST. TOP

MOBIL PRODUCING TX & NM INC. PREVIOUSLY OBTAINED AUTHORITY (NMOCD RULE 303 (B) TO DOWNHOLE COMMINGLE (DHC-786 DATED 3/15/91) PRODUCTION FOR THIS WELL. SAID WELL WAS COMPLETED AS A SINGLE COMPLETION INSTEAD OF DOWNHOLE COMMINGLED BLINEBRY AND TUBB. TESTS INDICATE THE WELL AS A GAS WELL AND IS LOCATED ON THE 80-ACRE GAS PRORATION UNIT DEDICATED TO OUR BRUNSON ARGO #13-A-9-22-37. PERMISSION IS REQUESTED FOR APPROVAL OF THE NON-STANDARD LOCATION AND SIMULTANEOUS DEDICATION OF THIS WELL TO THE 80-ACRE PRORATION UNIT.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE

ENGINEERING TECHNICIAN

DATE

6/13/91

(915)

TYPE OR PRINT NAME

J. W. DIXON

TELEPHONE NO.

688-2452

(This space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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

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

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.
30-025-10144

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

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"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:
OIL WELL ☒ GAS WELL ☐ OTHER

2. Name of Operator
Mobil Producing Tx. & N.M. Inc.*

3. Address of Operator *Mobil Exploration & Producing U.S. Inc., as Agent for
Mobil Producing TX. & N.M. Inc., P. O. Box 633, Midland, TX 79702

4. Well Location

Unit Letter H : 589 Feet From The EAST Line and 1909 Feet From The NORTH Line

Section 9

Township 22S

Range 17E

NMPM LEA

County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

3432 KB GL 3422

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

5/16/91 - SHUT WELL IN - RAN 4 POINT TEST (ATTACHED)

1) POH W/2-3/8 TBG. RIH W/CIBP & SET 6320. DUMP 20 FT OF CMT ON CIBP.

2) PERF TUBB FORM 5938-6145. RIH W/PKR & TBG. ACDZ TUBB PERF 5938-6145 OA W/6000 GALS 15% NEHCL.

3) TEST: FL 0 BO, 0 BW, 50 MCFD. FTP 45 PSI. POH W/TBG & PKR. SET CIBP 5900 PLUG 20 CMT.

4) PERF BLINEBRY FORM 5470-5725. RIH W/PKR & TBG. ACDZ BLINEBRY PERF 5470-5725 OA W/5000 15% NE HCL.

5) FRAC BLINEBRY PERFS 5470-5725 OA W/30,000 GALS GELLED WTR PLUS 75,000# 20/40 OTTAWA SAND.

6) POH W/TBG & PKR. RIH W/PKR, SEAL RECEPTACLE & 2-3/8 TBG. SET PKR @ 5420. RDMO PU.

7. RAN AOFB 677 MCFD.

NOTE: LEFT WELL PRODUCING AS SINGLE BLINEBRY PRODUCER. TUBB ZONE WAS LEFT ISOLATED BELOW CIBP & WILL BE EVALUATED FOR ADD'L STIMULATION IN FUTURE.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

TITLE

Engineering Technician

DATE 5/24/91

(915)

TYPE OR PRINT NAME

J. W. DIXON

TELEPHONE NO. 688-2452

(This space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special						Test Date 5/16/91			
Company MOBIL PROD. TX & N.M.				Connection GAS TO ENRON					
Pool EUNICE				Formation BLINDBERRY <i>BLINEBRY</i>				Unit H	
Completion Date 5-7-91		Total Depth 7471'		Plug Back TD 5880		Elevation GL 3422		Farm or Lease Name BRUNSON ACGO	
Csq. Size 5 1/2	Wt. 17	d 4.892	Set At 7395	Perforations: From To		Well No. 12			
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 5420	Perforations: From 5470 To 5725		Unit H	Sec. 9	Twp. 22	Rge. 37
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE						Packer Set At		County LEA	
Producing Thru		Reservoir Temp. °F 115 @ 5597		Mean Annual Temp. °F 60		Baro. Press. - P _g 13.20		State NEW MEXICO	
L 5597	H 5597	Gg .697	% CO ₂ .697	% N ₂ 1.930	% H ₂ S 0	Prover 0	Meter Run 2"	Taps FLANGE	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							425	65			24.0
1.	2"		1.250	45	37	66	420	65	0	0	1.0
2.	2"		1.250	45	41	69	340	66	0	0	1.0
3.	2"		1.250	45	48	70	280	68	0	0	1.0
4.	2"		1.250	45	54	72	225	73	0	0	1.0
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	8.22	46.40	58.2	.9943	1.2127	1.0066	463
2	8.22	48.85	58.2	.9915	1.2127	1.0064	486
3	8.22	52.85	58.2	.9905	1.2127	1.0064	525
4	8.22	56.06	58.2	.9887	1.2127	1.0063	556
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	.000 Mcf/bbl.	
1.	.09	526	1.39	.987	A.P.I. Gravity of Liquid Hydrocarbons	.0 Deg.	
2.	.09	529	1.40	.987	Specific Gravity Separator Gas	.680	X X X X X X X X
3.	.09	530	1.41	.987	Specific Gravity Flowing Fluid	X X X X X	.680
4.	.09	532	1.41	.987	Critical Pressure	668	P.S.I.A. 668 P.S.I.A.
5.					Critical Temperature	377	R 377 R

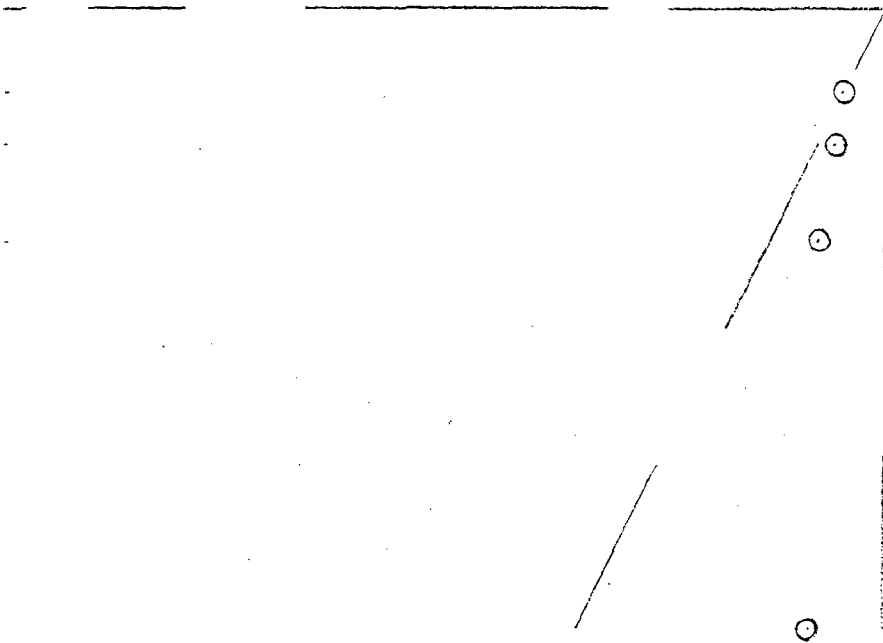
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.4837$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2181$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 677$
1		437	191	0	
2		359	129	63	
3		302	91	101	
4		250	62	129	
5					

Absolute Open Flow	677	Mcf/d @ 15.025	Angle of Slope @	63.3	Slope, n	.500
Remarks:						
Approved By Commission:		Conducted By:		Calculated By:		Checked By:

Company
Well
Location
County
Date

Mobil Production
Brunson A~~go~~ No. 12
H, 9-22-37
Lea
5-16-91

$p_c^2 - p_w^2$



Q, Mcfd

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Operator Mobil Producing TX. & N.M. Inc.*		Well API No. 30-025-10144
Address *Mobil Exploration & Producing U.S. Inc. as Agent for Mobil Producing TX. & N.M. Inc. P. O. Box 633, Midland, Texas 79702		
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)		
New Well <input type="checkbox"/>	Change in Transporter of:	
Recompletion <input checked="" type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>	
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>	
If change of operator give name and address of previous operator		

II. DESCRIPTION OF WELL AND LEASE

Lease Name BRUNSON ARGO	Well No. 12	Pool Name, Including Formation BLINEBRY	Kind of Lease State, Federal or Fee STATE	Lease No.
Location				
Unit Letter H	589	Feet From The EAST	Line and 1909	Feet From The NORTH
Section 9	Township 22S	Range 37E	NMPM,	LEA County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil TEXAS NEW MEXICO PIPELINE <input checked="" type="checkbox"/>	or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) BOX 1510, MIDLAND, TX 79702				
Name of Authorized Transporter of Casinghead Gas ENRON OIL & GAS COMPANY <input type="checkbox"/>	or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) BOX 2267, MIDLAND, TX 79702				
If well produces oil or liquids, give location of tanks.	Unit E	Sec. 10	Twp. 22S	Rge. 37E	Is gas actually connected? YES	When? 2/15/74
If this production is commingling with that from any other lease or pool, give commingling order number.					DHC 786	

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well X	Gas Well	New Well	Workover Z	Deepen	Plug Back	Same Res'v X	Diff Res'v
Date Spudded 4/8/91	Date Compl. Ready to Prod. 5/8/91	Total Depth 7471	P.B.T.D. 5800					
Elevations (DF, RKB, RT, GR, etc.) 3432 KB 3422 GL	Name of Producing Formation BLINEBRY	Top Oil/Gas Pay	Tubing Depth					
Perforations 5938-6145 TUBB 5470 5725 BLINEBRY			Depth Casing Shoe					
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (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.)

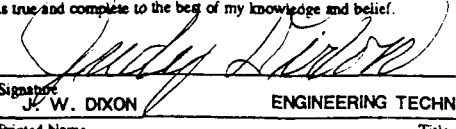
Date First New Oil Run To Tank 5/20/91	Date of Test 5/20/91	Producing Method (Flow, pump, gas lift, etc.) PUMP	
Length of Test 24	Tubing Pressure 48	Casing Pressure	Choke Size 15/64
Actual Prod. During Test	Oil - Bbls. 1	Water - Bbls. 0	Gas- MCF 300

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate 39.2
Testing Method (pump, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

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


Signature
J. W. DIXON
ENGINEERING TECHNICIAN
Printed Name
5/24/91
Date
(915) 688-2452
Telephone No.

OIL CONSERVATION DIVISION

Date Approved _____
By _____
Title _____

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

- 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.
- 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.

OIL CONSERVATION DIVISION

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Mobil Producing Tx. & N. M. Inc.			Lease Brunson-Argo		Well No. 12
Unit Letter H	Section 9	Township 22S	Range 37E	County NMPM	Lea
Actual Footage Location of Well: 589 feet from the East line and 1909 feet from the North line					
Ground level Elev. 3432	Producing Formation Blinebry		Pool Blinebry	Dedicated Acreage: 80 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 necessary.) _____
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 contained herein in true and complete to the best of my knowledge and belief.

Signature

Printed Name J. W. Dixon

Engr. Technician III

Position

Mobil Producing Texas & New Mexico Inc.

Company

acting by and through its agent
Mobil Exploration & Producing U.S. Inc.

Date

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 supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Signature & Seal of
Professional Surveyor

Certificate No.

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

RECEIVED
'91 JUL 1 AM 10 19

6-24-91

BRUCE KING
GOVERNOR

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 _____
NSL X + SD _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

Mobil Prod-TX+NM Inc. Brunson Ariz. #12-H 9-22-37
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton
Jerry Sexton
Supervisor, District 1

/ed