STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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

ADMINISTRATIVE	ORDER
NET. 13	

INFILL DRILLING FINDINGS AND WELL-SPACING WAIVER
MADE PURSUANT TO SECTION 271.305(b) OF THE
FEDERAL ENERGY REGULATORY COMMISSION REGULATIONS,
NATURAL GAS POLICY ACT OF 1978 AND OIL CONSERVATION DIVISION
ORDER NO. R-6013

Operator	Jake L.	Hamo n	· · · · · · · · · · · · · · · · · · ·	Well Name	e and No.	Amerada	Federal No. 2	
Location:	Unit_F	sec17	_Twp20S	Rng. 36E	Cty	Lea		
II.					•			•
THE DIVISI	ON FINDS:					÷	·	
promulgate well to qu find, prio efficientl drained by requiremen	<pre>d pursuant alify as a r to the c y drain a any exist ts.</pre>	to the Natu new onshore ommencement portion of t ing well wit	ral Gas Polic production wo of drilling, he reservoir hin that unit	ey Act of 19 well under 8 that the we covered by t, and must	978 provide Section 10: ell is nece the prorat grant a wa	es that, in 3 of said 3 essary to e tion unit was aiver of example.	terim Regulations n order for an in Act, the Division effectively and which cannot be so kisting well-spac	fill must o ing
procedure Division a	whereby the and find th	e Division D at an infill	irector and well is nec	the Divisionessary.	n Examiner	s are empo	an administrativ	e the
			inding is sou	-	-	-	North Osudo 640	
(4) That	a 640	-acre	the standard proration un Rng. 36E ocated in Uni	nit comprisi , is curre	ing XXX A	ll cated to th	ne <u>Amerada Fede</u>	_acres.
(5) That previously	this prora approved	tion unit is by Order No.	(X) standar	d () nons	tandard; i	if nonstand	lard, said unit w	as
(6) That well(s) on			not being ef	fectively a	and efficie	ently drain	ned by the existing	ng
(7) That the productor otherwise l	tion of an	additional	7.32	well for wh M MCF of ga	nich a find as from the	ding is sou proration	ight should result unit which would	in in in
for which a	a finding	is sought is	necessary to	effectivel	y and effi	ciently dr	and that the well ain a portion of xisting well with	the
application pool.	n should b	e approved a	ective and ef s an exception	ficient dra on to the st	inage of s andard wel	said prorat Ll spacing	ion unit, the subrequirements for	ject the
IT IS THER			v suthorized	to drill th	ooh Ilaw a	ecribed in	Section I above a	as an
infill well for infill and is nece	l on the e drilling essary to	xisting prora granted by the permit the di	ation unit de his order is	escribed in an exception portion of	Section II on to appli the reserv	(4) above. icable well voir covere	The authorization of the spacing requirer of the spacing requirer of the spacing requirer of the space of the	ion ments
(2) That : Division ma					e entry of	such furth	er orders as the	
DONE at Sai	nta Fe , Ne	w Mexico, on	this 24t	h_day_of	January		_, 19_80	
••					is C	(ting		_

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

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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ADMINIST	RATIVE	ORDER
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INFILL DRILLING FINDINGS AND WELL-SPACING WAIVER
MADE PURSUANT TO SECTION 271.305(b) OF THE
FEDERAL ENERGY REGULATORY COMMISSION REGULATIONS,
NATURAL GAS POLICY ACT OF 1978 AND OIL CONSERVATION DIVISION
ORDER NO. R-6013

Operator Ake L. HAwon Well	Name and No. America Foderth No. 2
Location: Unit F Sec. 17 Twp. 205 Rng. 3	6 E Cty. Lo A
II.	
THE DIVISION FINDS:	
(1) That Section 271.305(b) of the Federal Energy R promulgated pursuant to the Natural Gas Policy Act of well to qualify as a new onshore production well undfind, prior to the commencement of drilling, that the efficiently drain a portion of the reservoir covered drained by any existing well within that unit, and m requirements.	f 1978 provides that, in order for an infill er Section 103 of said Act, the Division must e well is necessary to effectively and by the proration unit which cannot be so ust grant a waiver of existing well-spacing
(2) That by Order No. R-6013, dated June 7, 1979, to procedure whereby the Division Director and the Division and find that an infill well is necessary.	
(3) That the well for which a finding is sought is Pool, and the standard spacing	unit in said pool is 640 acres
(4) That a 640 —acre proration unit comp of Sec. 17, Twp. 205, Rng. 36 £, is c	rising the <u>A//</u> urrently dedicated to the <u>Amerada FEdera</u>
(5) That this proration unit is (★) standard () previously approved by Order No.	nonstandard; if nonstandard, said unit was
(6) That said proration unit is not being effective well(s) on the unit.	ly and efficiently drained by the existing
(7) That the drilling and completion of the well fo the production of an additional 7.32 M MCF o otherwise be recovered.	r which a finding is sought should result in f gas from the proration unit which would not
(8) That all the requirements of Order No. R-6013 h for which a finding is sought is necessary to effect reservoir covered by said proration unit which cannothe unit.	ively and efficiently drain a portion of the
(9) That in order to permit effective and efficient application should be approved as an exception to the pool.	drainage of said proration unit, the subject e standard well spacing requirements for the
IT IS THEREFORE ORDERED:	
(1) That the applicant is hereby authorized to dril infill well on the existing proration unit described for infill drilling granted by this order is an exce and is necessary to permit the drainage of a portion unit which cannot be effectively and efficiently dra	in Section II(4) above. The authorization ption to applicable well spacing requirements of the reservoir covered by said proration
(2) That jurisdiction of this cause is retained for Division may deem necessary.	the entry of such further orders as the
DONE at Santa Fe, New Mexico, on thisday	of, 19
DIVI	SION DIRECTOR EXAMINER

JAKE L. HAMON
OIL AND GAS PRODUCER
REPUBLIC NATIONAL BANK TOWER
POST OFFICE BOX 663

DALLAS, TEXAS 75221

JAMES G. COOKSEY, P.E.
PRODUCTION ENGINEER

January 22, 1980

Mr. R. L. Stametz Technical Support Chief Energy & Minerals Dept. Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501

Dear Mr. Stametz:

This is in answer to your letter dated January 17, 1980 concerning Jake L. Hamon's application for NGPA In-Fill Well Findings under provision of Order No. R-6013 for the Amerada-Federal Well No. 2 in Section 17-T20-S-R36E, N. Osudo (Morrow) Field, Lea County, New Mexico.

The standard spacing unit size for the N. Osudo (Morrow) Field, Lea County, New Mexico is 640 acres.

The well has not been spudded as of this date. However, we anticipate a spud date of January 25, 1980.

The 640-acre proration unit consists of the entire Section 17. The Amerada Federal Well No. 1 is located 660' FSL and 1980' FWL of Section 17. Well No. 1 was completed in August 1966 and commenced producing in September, 1966. Cumulative Gas Production has been 5,534,494 MCF through October 1979. The daily gas production is currently less than 50 MCFPD. The last reported condensate production was in May of 1976. Well No. 1 is at its current economic limit. A complete production tabulation was submitted with the original application.

Submitted with the original application was a structure map contoured on top of the Morrow formation. An examination of this structure map indicates that the Amerada-Federal Lease in Section 17 is near the Eastern Morrow Sand pinch-out limit. The wells that were originally drilled and completed in the Morrow Sand in the N. Osudo Field are all now nearing their economic limits. These six wells were in Section 6, 18, 17, 19, 20, and 30. In 1978, Texas Oil & Gas drilled its Osudo State Well No. 1 in Section 29 as an Unorthodox location and on a 320-acre proration unit consisting of the North 1/2 of Section 29. This well encountered a Morrow Sand stringer of virgin reservoir pressure and has produced a large volume of gas. Production rates were in excess of 7,000,000 cu. ft. per day initially.

Jake L. Hamon Mr. R. L. Stametz, Oil Conservation Division Page 2

January 22, 1980

Jake L. Hamon, in 1979, drilled its Union State Well No. 2 in the N. E. corner of Section 30 and encountered Morrow Sand stringers that had not been depleted by the Union State Well No. 1 in Section 30 or Moran State No. 1 in Section 19. Evidence obtained from the drilling of the Texas Oil & Gas, Osudo State No. 1 and the Hamon Union State No. 2 indicates the possibility of Morrow Sand stringers that were not efficiently and effectively drained by the original completions in the field. It is believed that the proposed Amerada-Federal Well No. 2, drilled 1980' out of the northeast corner of Section 17, will encounter Morrow Sand stringers that have not been depleted by the existing wells in the field. Calculations submitted with the original application indicate an additional recovery of 7.32 BCF can be expected from the proposed well.

We respectfully request that a favorable finding for the NGPA In-fill provision of Order R-6013 can be granted administratively. If additional information is required, please advise.

Yours very truly

James G. Cooksey, P.E.

Chief Engineer

JGC:po

Enc.



STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

BRUCE KING GOVERNOR LARRY KEHOE SECRETARY January 17, 1980

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 (505) 827-2434

Mr. Jake L. Hamon 611 Petroleum Bldg. Midland, Texas 79701

Attention: Mr. John Casey

Re: Application for NGPA Infill Well

Findings Under Provisions of Order No. R-6013 <u>Amerada Fed.</u>

Well No. 2, Sec. 17, T-20-S, R-36-E,

N. Osudo Morrow Pool, Lea County

We may not process the subject application for infill findings until the required information, forms, or plats checked on the reverse side of this letter are submitted.

Sincerely.

R. L. STAMETS
Technical Support Chief

RLS/dr

	A copy of Form C-101 must be submitted.
	A copy of Form C-102 must be submitted.
	The pool name must be shown.
X	The standard spacing unit size for the pool must be shown.
	Give the Division Order No. which granted the non-standard proration unit.
X	Please state whether or not the well has been spudded and give the spud date, if any.
X	Information relative to other wells on the proration unit is incomplete. There is no explanation why the existing well cannot effectively and efficiently drain the proration unit
-	
X	The geologic and reservoir data is incomplete or insufficient. There must be a narrative describing when all reservoir
• 2	figures were derived and justifying the same.
'	
	Other:

بصر

KELLAHIN and KELLAHIN

Attorneys at Law

500 Don Gaspar Avenue Post Office Box 1769

W. Thomas Kellahin

Karen Aubrey

Santa Fe, New Mexico 87501

Telephone 982-4285 Area Code 505

January 16, 1980 ECEIVED

JAN17

OIL CONSERVATION DIVISION SANTA FE

Mr. Joe Ramey Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501

re: Filing Pursuant to Division Order No. R-6013

Dear Mr. Ramey:

On behalf of Jake L. Hamon, the enclosed information is submitted in duplicate in accordance with Division Order No. R-6013 that will allow an infill well (Amerada Federal Well No. 2) to be drilled on the existing proration unit of the Amerada Federal Well No. 1 to which Section 17, T20S, R36E, NMPM, North Osudo Morrow Pool, Lea County, New Mexico is dedicated.

The following information is enclosed:

- 1. Waiver from Flag Redfern Oil Company, being the only offset operator.
- 2. The Application to Drill (Form C-101)
- 3. A Well location and Dedication Plat (Form C-102)
- 4. The calculation of the estimated recoverable gas for the proposed well.
- 5. A structure map contoured on the top of the Morrow formation on which is outlined the existing 640-acre proration unit.
- 6. A Well Data Sheet for the existing well on the proration unit (Amerada Federal Well No. 1)
- 7. A Production Tabulation which shows cumulative production and current rate of production for the existing well on the proration unit.

Jason Kellahin

KELLAHIN and KELLAHIN

Mr. Joe Ramey Page Two January 16, 1980

This application is submitted for the necessary infill findings so that this well can be drilled pursuant to Section 103 of the Natural Gas Policy Act.

Very truly yours,

W. Thomas Kellahin

WTK:mm

Mr. John E. Casey cc:

Mr. James Cooksey

Jake L. Hamon 611 Petroleum Bldg. Midland, Texas 79701

Attn: Mr. John Casey

Re: Application for Proposed Infill Well

Section 17-20S-36E Lea County, New Mexico

Dear Sir:

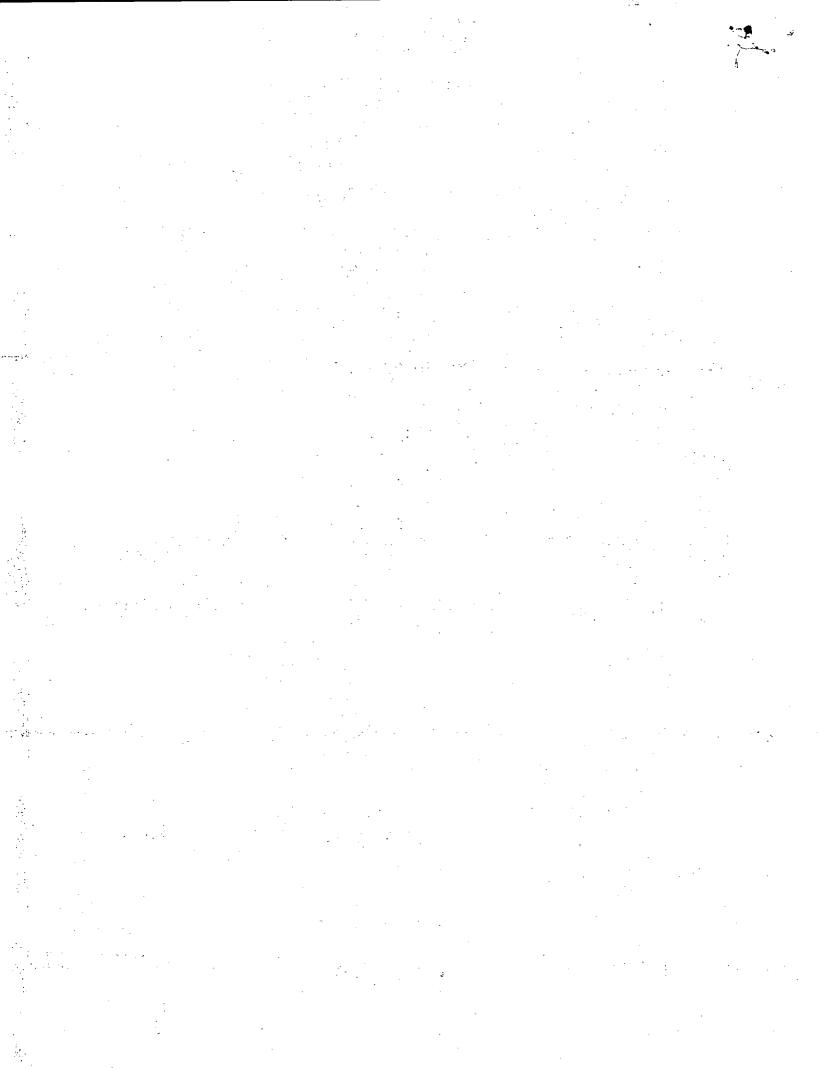
Pertaining to the captioned, Flag Redfern Oil Company has been advised by Certified Mail No. 649609 that Jake L. Hamon has made application to drill an infill well in the North Osudo Morrow Field, Unit F, 1980' FNL, 1980' FWL, Section 17-20S-36E, Lea County, New Mexico.

Mr Hamon has requested a finding that the subject well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be effectively and efficiently drained by the existing well within the proration unit.

This is to certify that Flag Redfern Oil Company, an offset operator, has no objection to Mr. Hamon drilling the subject well 1980' from N & W lines of Sec 17, T-20-S, R-36-E.

Flag Redfern Oil Company

By: Byron H. Greaves



OIL AND GAS PRODUCES REPUBLIC PATIONAL BANK TOWER fort office box ser BALLAN, TEXAS 28321

BRUCE MARTINUALE, III LAMB AND LAW

January 11, 1980

CERPIFIED MAIL NO. 649609

Flag Redfern Oil Company Box 23 1200 Wall Towers West Midland, Yexes 79702

Attention: Mr. Byron H. Greaves

Application for Proposed Infill Well Re : Section 17-208-36E Lea County, New Mexico

Gentlemen:

In accordance with Order No. R-6013 of the State of New Mexico Oil Conservation Division, you are hereby notified that Mr. Jake L. Hamon has made application this date for the Grilling of an infill well in the North Osudo Morrow Field, Unit F, 1980' FNL, 1980' FWL, Section 17-208-36E, Lea County, New Mexico, and has requested a finding that the infill well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be effectively and efficiently drained by the existing well within the proration unit.

Very truly yours,

JAKE J. HAMON

Christy Catanzaro

Mr. James F. Massey 00: Mr. James Cooksey.

Mr. Jon Kellahin

Jake L. Hamon

OIL PRODUCER
611 THE PETROLEUM BUILDING
MIDLAND, TEXAS 79701

December 13, 1979

Oil Conservation Commission P. O. Box 1980 Hobbs, New Mexico 88240

Re: Amerada Federal #2 North Osudo Morrow Lea County, New Mexico

Gentlemen:

We are enclosing six (6) copies of Form C-101, Application for Permit to Drill, and four (4) copies of the Location and Acreage Dedication Plat for the above referenced well.

Please note that the 640 acre spacing unit has been assigned to the No. 1 well located in the C SE SW in the same section. The No. 2 well is to be drilled in the same 640 acre specing unit after approval has been granted by the Commission on Rule R-6013.

We are also enclosing a list for working interest after communitization on the 1920 acre unit.

Very truly yours,

JAKE L. HAMON

Cecil H. Barton
Petroleum Engineer

CHB: bmc

encl:

cc: Working Interest per list attached.

James Massey

John Casey

James Cooksey

NO. TE COPIES RECEIVED						•
DISTRIBUTION	NEW	MEXICO OIL CONSE	RVATION COMMISSI	ΩN	Form C-101	
SANTA E		mexico ore conce	KYATION COMMISSI		Revised 1-1-6	55
FILE	1-1				5A. Indicate	Type of Louse
Çau.s.g.s.		•			STATE	
LAND OFFICE					.5. State Oil	& Gas Lease No.
OPERATOR				•	}	manaa 1101
· L	_ 				min	mmmm
APPLICATIO	N FOR PERMIT TO	DRILL DEEPEN	OP PLUC BACK			
la. Type of Work	TORT ERMIT TO	DRIEL, DELI ER,	OK I LOG BACK		7. Unit Agre	ement Name
·					_	
b. Type of Well DRILL X		DEEPEN	PLUG	B BACK	8. Farm or L	R SW 437
·			SINGLE [V] M	III TIBLE		
OIL GAS WELL X	OTHER		ZONE X	ZONE		<u>a Federal</u>
1			•		9. Well No.	•
Jake L. Hamon 3. Address of Operator						2
					ł	d Pool, or Wildcat
611 Petroleum Bui					North	Osudo Morrow
4. Location of Well unit LETTE	ER F LOC	ATED1980 F	EET FROM THE NOrt	hLINE		
ĺ			* ,			
AND 1980 FEET FROM	THE West LI	IE OF SEC. 17	WP. 20-S RGE, 3	6-E NMPM	777777	
					12. County	
	711111111111111111111111111111111111111				Lea	
			9. Proposed Depth	19A. Formatio	n .	20. Rotary or C.T.
			11,600'	Morro	w	Rotary
21. Elevations (Show whether DF,	RT, etc.) 21A. Kind	& Status Plug. Bond 2	1B. Drilling Contractor			. Date Work will start-
3612.5' GR	Blanke	et in force	N/A		Febru	ary-1980
23.						
	F	PROPOSED CASING AND	CEMENT PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPT	H SACKS O	F CEMENT	EST. TOP
15-1/2"	12-3/4"	35#	350	35		Surface
11"	8-5/8"	24# & 28#	5000	190		Surface
7-7/8"	5-1/2"	17# & 20#	11600	50		8600'
. , ,,,	J 1/2	1 27 4 20 11	11000			0000
(c) Install 2 - 30 (d) Drill 11" hole (e) Set 8-5/8" 24# (f) Install 2 - 50 (g) Drill 7-7/8" h sufficient pro (h) DST any signif (i) If production (j) Perforate prod Note: The 640 Ac. in the same unit after a IN ABOVE SPACE DESCRIBE PR TIVE ZONE. GIVE BLOWGUT PREVENT I hereby certify that the information	# surface casing 00# BOP's and proceed to 5000' using a 28# intermed 00# BOP's and a cole to T.D. of perties for sample is indicated, suctive zone and spacing unit has beet toon. The Approval has been copposed program: If any.	ng and cement to bressure test Boy saltwater bas liate casing and annular BOP, and 11,600' using aples and hole oil or gas and set and cement discidize or from the seen assigned by the proposal is to be the proposal is t	o surface with OP's and surface mud. d cement to sud pressure tessalt water base conditions for run electric 5-1/2", 17# & ac as needed. d to the No. lobe drilled in the Commission of the Private BACK, SIVE DATA INPUMENTAL SURFACE	erface with the BOP's as the mud of logging logs. 20# casing well logent the same t	th 1900 s and casin 9# - 12# DST's & ag to TD cated in ne 640 Ac R-6013	/gal and casing setting. w/500 sx. the C SE SW . spacing
Signed 1 CC1	1 1 (12/107)	tine_retroieum	Fugruest		vate <u>12-</u>	·
This space for	State Use)					
			•			
APPROVED BY		TITLE			DATE	

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CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Florm C-102 Supersedes C-12H Litter tive 1-1-05

All distances mus	be from the outer boundaries of the Section	an
Jake L. Hamon	Amerada Fede	cal 2
F 17 20 South	36 East	Lea
1980 teer transfer North ine		West How
2012 5	Position 1	a rest offert. A surger
3612.5 Morrow	North Osudo Morrow	640
i charging the acreage dedicated to the subjec-	t well by colored pencil or hachur	e marks on the plat below
2 If more than one lease is dedicated to the interest and royalty).	well, outline each and identify the	ownership thereof (both as to working
3. If more than one lease of different ownership dated by communitization, unitization, force-p		interests of all owners been consoli-
[X] Yes [No If answer is "ves!" ty	pe of consolidationCommun	itization
If answer is "no!" list the owners and tract	descriptions which have actually b	een consolidated Wise reverse side of
this form if necessary.) No allowable will be assigned to the well until	Unil interests have been a U.1	. 1 (1
forced-pooling, or otherwise) or until a non-sta		
sion. Remarks: See attached list:	for working interest after	Com. on 1920 Ac. Unit.
		CERTIFICATION
Working Interest: Wor	king Interest:	A SWITTER CATION
Jake L. Hamon	Jake L. Hamon	I hereby certify that the information con-
Don Chapell et al	Don Chapell et al	tained herein is true and complete to the
Bass Enterprises	Bass Enterprises	best of my knowledge and belief
861	<u> </u>	Cicil N Barton
		Cecil H. Barton
		Petroleum Engineer
1980' 2		Jake L. Hamon
I. O. Allred, Jr.	Eugene Adkins et al	December 13, 1979
Working Interest:		
Amerada	İ	i hereby certify that the well-facation
Jake L. H.	į	shown on this plat was plotted from field
Don Chape	ll et al	notes of actual surveys made by me ar
	i de la companya de l	under my supervision, and that the some
678		is true and correct to the best of mi- knowledge and belief
- 18 m		
WENCO MENICO	;	
JOHN W WEST	· 1	1 re Suseset
	, 1	December 7,1979
***	1.0	Seniore de telesco de poet
USA	l l	10
		tems/ War
		Certificate fin. John W West . 676
0 330 660 96 1320 1680 1980 2310 2640	2000 1500 1000 500	Bongid J Eldson 32.39

WORKING INTEREST AFTER COMMUNITIZATION IN SECTION 17

Jake L. Hamon	16.355685%
Amerada Division - Amerada Hess Corporation	12.770528%
Amoco Production Company	42.142528%
Bass Enterprises Production Company	18.692211%
Donald Clayton Chapell	1.168263%
Charles H. Coll	.045360%
James N. Coll	.045360%
Jon F. Coll	.045360%
Max W. Coll II	.045360%
Gulf Oil Corporation	4.618030%
Carol Chapell Henry	1.168263%
Phillips Petroleum Company	2.903052%
Unit Total	100.000000

P-00-00-00-00-00-00-00-00-00-00-00-00-00	E.A.Y			Jo :	120 6591
HO, OF COPIES RECEIVED		Ê	ROD. DEPT		
SANTA FE	NEW	MEXICO OIL CONSER	20 1979	Form C	-101
FILE		CACC		P	dicate Type of Leane
U.S.G.S.			JLH	· · · · · · · · · · · · · · · · · · ·	ATE /(C X
LAND OFFICE	-	Air.	JLH III CORPUS	5. Stat	e OII & Gual Livina No.
OPERATOR	`	Cumpl	END E TEX	777	
APPLICATIO	N FOR PERMIT TO	DRILL, DEEPEN, C	· ·		
ia. Type of Work	The state of the s		Section 1	7. Uni	1 Agreement Name
b. Type of Well DRILL X		DEEPEN 🔲	PLUG B		m AGR SW 437
OIL GAS X	O.HER	.	SINGLE X MULT	IPLE C	· ·
2. Name of Operator			ZONE CEL	9. Wel	erada Federal I No.
Jake L. Hamon			·		2
3. Address of Operator	Nation National	Toxos 70701		· ·	eld and Poel, or Wildeat
611 Petroleum Bui		1000	ET FROM THE North	7777	rth Coudo Morrow 🤭
UNIT LETTE			ET FROM THE HOLEIT	LINE	
AND 1980 FEET FROM	THE West	17	, 20-S 36-		
				12. Co	ounty ()
HHHHHHH	+++++++++	444444	<i>HHHHHH</i>	HHHH NO.	
ATTITITITITI					
				A. Formation	20. Hotary or C.T.
21. Elevations (Show whether DF,	RT. etc.) 21A. Kinj	& Status Plug. Bond 21	11,600 lB. Drilling Contractor	Morrow 22.	Rotary Approx. Dute Work will start
3612.5' GR		t in force	N/A	ľ	ebruary 1980
23. 15. 15. 15. 15. 15. 15. 15. 15. 15. 15	P	ROPOSED CASING AND			
\$175.05.401.5	,	·	,		
15-1/2"	SIZE OF CASING	35#	SETTING DEPTH	SACKS OF CEM	ENT EST. TOP Surface
11"	8-5/8"	24# & 28#	5000	1900	Surface
7-7/8"	5-1/2"	17# & 20#	11600	500	8600'
A Decoration					
Procedure: (a) Drill 15-1/2"	hole to 350' us	ing gel/lime mu	\mathbf{d}		
(b) Set 12-3/4" 35	# surface casin	ig and cement to	surface with 3	50 sx.	
(c) Install 2 - 30				casing.	
(d) Drill 11" hole (e) Set 8-5/8" 24#				inco with 190	00 ev
(f) Install 2 - 50					
(g) Drill 7-7/8" h	ole to T.D. of	11,600' using s	alt water base	mud of 9# -	12#/gal and
					s & casing setting.
(h) DST any signif (i) If production		-			TD w/500 sx.
(j) Perforate prod				.,	
Note: The 640 Ac.	spacing unit ha	ns been assigned	to the No. 1 w	vell located	in the C SE SW
	•	No. 2 well is to			
unit after a	pproval has becomen in	en granted by the	ic Commission of	Tule R-601	3 . CONE AND PROPOSED NEW PRODU
I hereby certify that the information	en shove is true and com	niete to the best of my kn	unwledge and bellef.		
	BI	- ·	•	•	
Signed Lich 1	1)0.1.1	Tite Petroleum	Engineer	Date	12-13-79
(This spice for	State Use)		3		17 1770
	11/1/	SUP	ERVISOR DIST	raicr :	was 21319.
CONDITIONS OF APPROVAL,	ANY I			- OATE	
		•		. * .	
3					
•					

JAKE L. HAMON Amerada-Federal Well #2 Osudo North (Morrow) Field Lea County, New Mexico

RESERVE ESTIMATE:

Specific Gravity, gas	0.600
Reservoir Temperature, OF	164
Reservoir Pressure, psig	4760
Porosity, %	15
Water Saturation, %	5
Deviation Factor	0.862
Productive Acres	320
Thickness, ft.	15
Recovery Factor, %	80

OGIP, mcf/ac-ft =
$$\frac{1538 (0) (1-Sw) (BHP+14.73)}{(BHT + 460) (2)}$$

= $\frac{(1538) (.15) (1-.05) (4760+14.73)}{(164+460) (.862)}$

= 1907

REC. GAS = (06IP)(Ac)(6)(RF)= (1907)(320)(15)(180)= 7.32 BCF

RESERVOIR DATA ESTIMATED FROM:

Texas Oil & Gas, Federal Com Well #1 Jake L. Hamon, Union State #2

PERTINENT COMPLETION DATA

JAKE L. HAMON - OPERATOR AMERADA FEDERAL NO. 1 NORTH OSUDO-MORROW POOL LEA COUNTY, NEW MEXICO

Location

Unit N. 660' FSL, 1980' FWL, Section 17,

T-20-S, R-36-E.

Date Spudded

June 11, 1966

Total Depth

11,580

Days to Drill & Complete

77 days

Plug Back Depth .

11,538'

Elevation

3640' KB

Production Casing

7" set at 11,160' with 300 sacks cement 5" liner from 11,011'-11,570' with 75 sacks cement.

Morrow Interval

Perf. 11,358'-11,388'

Min- Parks 11373 364326

Morrow Stimulation

None

-7733

Potential & Date

CAOF 23,823 MCFPD 8-27-66

Connection Date to Sales

September, 1966

Present Gas Purchaser

Phillips Petroleum & Warren Petroleum

Gas Gravity

0.609

Original Gas-Liquid Hydrocarbon Ratio

10,442 CF/Bb1.

Liquid-Hydrocarbon Gravity

50.60 API @ 600F

PREPARED BY	DATE

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4	NEKA	0.4	FRUER	C. H.I.	/
			/		

SEC 17	T-20-S R-3		MERA	DA	FEDE	RAL		<u> </u>	~	~~~	A /	. 11	<u></u> -	·		
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13		PRESSORS SHUT- VOLL			FILLIFS LOWERED	O THEIR LINE FR	<u>455 7-21-73</u>
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AMERADA FEDERAL

AMERADA FEDERAL #1

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January 11, 1980

Jake L. Hamon 611 Petroleum Bldg. Midland, Texas 79701

Attn: Mr. John Casey



Re: Application for Proposed Infill Well

Section 17-20S-36E Lea County, New Mexico

Dear Sir:

Pertaining to the captioned, Flag Redfern Oil Company has been advised by Certified Mail No. 649609 that Jake L. Hamon has made application to drill an infill well in the North Osudo Morrow Field, Unit F, 1980' FNL, 1980' FWL, Section 17-20S-36E, Lea County, New Mexico.

Mr Hamon has requested a finding that the subject well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be effectively and efficiently drained by the existing well within the proration unit.

This is to certify that Flag Redfern Oil Company, an offset operator, has no objection to Mr. Hamon drilling the subject well 1980' from N & W lines of Sec 17, T-20-S, R-36-E.

Flag Redfern Oil Company

By: Byron H. Greaves

Vice Residen

JAPCE I. ISANADIN OH AND GAR PRODUCER REPUBLIC PATIONAL BARK TOWER POIL OFFICE BOX, 542 DALLAR, TEXAS 24221

BRUCE MARTINUALE, III

January 11, 1980

CERTIFIED MAIL NO. 649609

Flag Redfern Oil Company Box 23 1200 Wall Towers West Midland, Yexas 79702

Attention: Mr. Byron H. Greaves

Re: Application for Proposed Infill Well Section 17-205-36E Lea County, New Mexico

Gentlemen:

In accordance with Order No. R-6013 of the State of New Mexico Oil Conservation Division, you are hereby notified that Mr. Jake E. Hamon has made application this date for the drilling of an infill well in the North Osudo Morrow Field, Unit F, 1980' FNL, 1980' FWL, Section 17-208-36E, Lea County, New Mexico, and has requested a finding that the infill well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be effectively and efficiently drained by the existing well within the proration unit.

Very truly yours,

JAKE JI. HAMON

Christy Catanzaro

co: Mr. James F. Massey Mr. James Cooksey.

Mr. Tom Kellahin

Jake L. Hamon

OIL PRODUCER
611 THE PETROLEUM BUILDING
MIDLAND, TEXAS 79701

December 13, 1979

Oil Conservation Commission P. O. Box 1980 Hobbs, New Mexico 88240

> Re: Amerada Federal #2 North Osudo Morrow Lea County, New Mexico

Gentlemen:

We are enclosing six (6) copies of Form C-101, Application for Permit to Drill, and four (4) copies of the Location and Acreage Dedication Plat for the above referenced well.

Please note that the 640 acre spacing unit has been assigned to the No. 1 well located in the C SE SW in the same section. The No. 2 well is to be drilled in the same 640 acre specing unit after approval has been granted by the Commission on Rule R-6013.

We are also enclosing a list for working interest after communitization on the 1920 acre unit.

Very truly yours,

JAKE L. HAMON

Cecil H. Barton Petroleum Engineer

CHB: bmc

encl:

cc: Working Interest per list attached.

James Massey

John Casey

James Cooksey -

NO. OF COPIES RECEIVED		•				
DISTRIBUTION	NEW	MEXICO OIL CONSE	RVATION COMMISSIO) N	Form C-101	}
SANTA FE				•	Revised 1-1-6	65
FILE		•			5A. Indicate	e Type of Lease
U.S.G.S.		and the	to the same		STATE	FEE X
LAND OFFICE					.5. State Oil	& Gas Lease No.
OPERATOR	_	•				
		•			TITIT	
APPLICATION	FOR PERMIT TO	DRILL, DEEPEN,	OR PLUG BACK			
1a. Type of Work	10111211111110	DINIEL, DELI LII,	OK I LOO BACK	·	7. Unit Agre	eement Name
		, .			· ·	
b. Type of Well DRILL X		DEEPEN	PLUG	BACK	8. Farm or L	GR SW 437
OIL GAS V		•	SINGLE TO MU	LTIPLE	a, raim or E	,ease Mame
2. Name of Operator	0.HER		SINGLE X MU	ZONE		la Federal
					9. Well No.	•
Jake L. Hamon 3. Address of Operator			- 			2
,					į.	nd Pool, or Wildcat
611 Petroleum Buile					North	Osudo Morrow
4. Location of Well UNIT LETTER	F Loc	ATED 1980 ,	FEET FROM THE North	LINE		
AND 1980 FEET FROM TH	E West LIN	E OF SEC. 17	INP. 20-S RGE. 30	D-E NMPM	7777777	
					12. County	
					Lea	
	777777777777					
			19. Proposed Depth	19A. Formatio	n	20. Rotary or C.T.
			11,600'	Morro	₩	Rotary
21. Elevations (Show whether DF, R	T, etc.) 21A. Kind	& Status Plug. Bond	21B. Drilling Contractor		22. Approx	k. Date Work will start
3612.5' GR	Blanke	t in force	N/A		Febru	uary-1980
23.		DODOCED CACING AND	D CENEUT DOCUM			
		ROPOSED CASING AN	D CEMENT PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF	CEMENT	EST. TOP
15-1/2"	12-3/4"	35#	350	35	0	Surface
11"	8-5/8"	24# & 28#	5000	190	0	Surface
7-7/8"	5-1/2"	17# & 20#	11600	50	0	8600'
1		l		ŀ		1
Procedure:						
(a) Drill 15-1/2" he	ole to 350' us	ing gel/lime m	ud.			
(b) Set 12-3/4" 35#	surface casin	g and cement t	o surface with	350 sx.		
(c) Install 2 - 300	O# BOP's and p	ressure test B	OP's and surface	ce casing		
(d) Drill 11" hole				_		
(e) Set 8-5/8" 24#	& 28# intermed	iate casing an	d cement to sur	rface wit	h 1900 s	SX.
(f) Install 2 - 500	O# BOP's and a	nnular BOP, an	d pressure tes	t BOP's a	nd casir	ng.
(g) Drill 7-7/8" ho	le to T.D. of	11,600' using	salt water base	e mud of	9# - 12#	/gal and
						casing setting.
(h) DST any signific						
(i) If production i					g to TD	w/500 sx.
(j) Perforate produ					Ü	
107					atad in	the C CE CU
Note: The 640 Ac. s		_				
in the same s	ection. The N	o. Z well is t	to be drilled in	n the sam	16 040 AC	:. spacing
Unit after ap IN ABOVE SPACE DESCRIBE PRO TIVE ZONE, GIVE BLOWOUT PREVENTER	POSED PROGRAM: IF	HE GEARTED DY T	OR PLUG BACK, GIVE DATA	ON FRESENT PR	COUCTIVE ZON	E AND PROPOSED NEW PRODUC
					 	
I hereby certify that the information	above is true and comp	olete to the best of my k	inpwledge and bellef.			
011	Ballo		. Bundana		. 10	12 70
Signed CCA	VIUVION	Tule Petroleum	n Engineer		Date12-	-13-79
(This space for St	ate Use)					
		•		•		

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY _

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Norm C-102 Supersedes C-121

Ronald J Eidson

All distances must be from the outer boundaries of the Section Jake L. Hamon Amerada Federal F 17 20 South 36 East July the Location of Well: 1980 test transfer North ine and 1980 3612.5 Morrow North Osudo Morrow charling 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? If answer is "yes," type of consolidation _____ Communitization 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 the communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. Remarks: See attached list for working interest after Com. on 1920 Ac. Unit. Working Interest: Working Interest: Jake L. Hamon Jake L. Hamon certify that the information can-Don Chapell et al Don Chapell et al herein is true and complete to the Bass Enterprises Bass Enterprises 980 Cecil H. Barton Petroleum Engineer Jake L. Hamon Eugene Adkins et al I. O. Allred, Jr. December 13, 1979 Working Interest: Amerada I hermby corrily that the well location Jake L. Hamon shown on this plat was platted from field Don Chapell et al under my supervision, and that the same true and correct to the best of niv WW WENC December 7,1979 USA 676

2000 1000 1000

WORKING INTEREST AFTER COMMUNITIZATION IN SECTION 17

Jake L. Hamon	16.355685%
Amerada Division - Amerada Hess Corporation	12.770528%
Amoco Production Company	42.142528%
Bass Enterprises Production Company	18.692211%
Donald Clayton Chapell	1.168263%
Charles H. Coll	.045360%
James N. Coll	.045360%
Jon F. Coll	.045360%
Max W. Coll II	.045360%
Gulf Oil Corporation	4.618030%
Carol Chapell Henry	1.168263%
Phillips Petroleum Company	2.903052%
Unit Total	100.000000

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NO. OF COMIES RECEIVED			PROD. DEPT	٠		
DISTRIBUTION		NEW MEXICO OIL CONS	FRYATION COMMISSIO	N	Form C-101	
SANTA FE			20 1979		Havisod 1-1-6	30
FILE	1			[SA. Indicate	Type of Leune
U.S.G.S.		\mathcal{S}^{U}	JLH JLH	.	STATE [
LAND OFFICE		\sim	JrH III	}	5. State Off (& Gas L. June No.
OPERATOR		MI	DLAND CORPUS			O
			E TEX		777777	
APPLICATIO	N FOR PERM	IT TO DRILL, DEEPEN	, OR PLUG BACK			
la. Type of Work	, X		and the state of t		7. Unit Agree	ement Name
b. Type of Well DRILL X		DEEPEN 🔲	PLUG	BACK	Com AG	R SW 437
OIL GAS X			SINGLE X	LTIPLE []		,
2. Name of Operator	олнея		SONE (V.)	304E L	9. Well No.	a Federal
Jake L. Hamon	,	•	•		•••	1
3. Address of Operator					10. Field and	d Poel, or Wildeat
611 Petroleum Bui	lding Mid	land, Texas 79701		`		Caudo Morrow
4. Location of Well			FEET FROM THE NOTEL	\	TITTE	
WHIT LETTE	· ~	LOCATED 1900	FEET FROM THE	LINE		
AND 1980 FEET FROM	THE West	LINE DE SEC. 17	TWE. 20-S 36	-E Num		
	THITT			HHHH	12. County	William.
					Lea	
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	7777777	[[:[[:]:]:]:]		777777	TTTTT	
X	4444		19. Proposed Depth	19A. Formation	n .	20. Holary or C.T.
			11,600'	Morro	w	Rotary
21. Elevations (Show whether DF,	RT, etc.) 21	A. Kind & Status Plug. Bond	218. Drilling Contractor			. Dute Work will start
3612.5' GR	В	lanket in force	N/A	,	Febru	ary-1980
23.		PROPOSED CASING A	ND CEMENT PROGRAM			
SIZE OF HOLE	SIZE OF CA	····		LICACKE OF	- 654547	FCT TOD
15-1/2"	12-3/4"		SETTING DEPTH	35		EST. TOP
11"	8-5/8"		5000	190		Surface Surface
7-7/8"	5-1/2"		11600	50		8600'
			11000	1		
Procedure:						
(a) Drill 15-1/2"	hole to 35	O' using gel/lime	mud.	•		
(b) Set 12-3/4" 35				350 sx.		
(c) Install 2 - 30	00# BOP's	and pressure test	BOP's and surface	ce casing		
(d) Drill 11" hole						
(e) Set 8-5/8" 24#				rface wit	h 1900 s	X .
(f) Install 2 - 50						
(g) Drill 7-7/8" h						
		or samples and hole			DST's &	casing setting.
(h) DST any signif	icant show	s of oil or gas an	d run electric	logs.		
(i) If production				20# casin	ig to TD	w/500 sx.
(j) Perforate prod		ne and acidize or f	rac as needed.			
	uctive zon				eated in	
Note: The 640 Ac.		it has been assign	ed to the No. 1	Well loc		the C SE SW
Note: The 640 Ac.	spacing un					
in the same	spacing un section.	The No. 2 well is	to be drilled is	n the sam	ne 640 Ac	
in the same	spacing un section.		to be drilled is	n the sam	ne 640 Ac	
in the same	spacing un section. approval ha	The No. 2 well is as been granted by	to be drilled in the Commission	n the sam	ne 640 Ac	
in the same unit after a in above space describe pr tive tone. Give aconcur paevent	spacing un section. approval ha	The No. 2 well is as been granted by	to be drilled in the Commission of Plus Baca, cive Bata	n the sam	10 640 AC 2-6013	
in the same unit after a in above space describe por ive tone, give alongut parvent I hereby confly that the informati	spacing un section. special has proceed the chosen proceed to the constant of	The No. 2 well is as been granted by many ir provided is to preter that. and complete to the beat of my	to be drilled in the Commission of Plus Baca, cive Bata	n the sam	10 640 Ac	spacing
in the same unit after a in above space describe pr tive rone. Give scower parvent shereby certify that the informati	spacing un section. special has proceed the chosen proceed to the constant of	The No. 2 well is as been granted by the series of the best of my Trile Petroley	to be drilled in the Commission of Plus Baca, cive Bata	n the san	10 640 Ac	spacing

JAKE L. HAMON Amerada-Federal Well #2 Osudo North (Morrow) Field Lea County, New Mexico

RESERVE ESTIMATE:

Specific Gravity, gas	0.600
Reservoir Temperature, OF	164
Reservoir Pressure, psig	4760
Porosity, %	15
Water Saturation, %	5
Deviation Factor	0.862
Productive Acres	320
Thickness, ft.	15
Recovery Factor, %	80

OGIP, mcf/ac-ft =
$$\frac{1538 (0) (1-Sw) (BHP+14.73)}{(BHT + 460) (2)}$$

= $\frac{(1538) (.15) (1-.05) (4760+14.73)}{(164+460) (.862)}$

REC. GAS = (06IP)(Ac)(6)(RF)

= 1907

= (1907)(320)(15)(180)

= 7.32 BCF

RESERVOIR DATA ESTIMATED FROM:

Texas Oil & Gas, Federal Com Well #1 Jake L. Hamon, Union State #2

PERTINENT COMPLETION DATA

માના પશુપ્રિકેશ અને મુક્કાનું મુક્કાનું માના પ્રાથમિક છે.

JAKE L. HAMON - OPERATOR AMERADA FEDERAL NO. 1 NORTH OSUDO-MORROW POOL LEA COUNTY, NEW MEXICO

Location

Unit N. 660' FSL, 1980' FWL, Section 17,

T-20-S, R-36-E.

Date Spudded

June-11, 1966

Total Depth

11,580'

Days to Drill & Complete

77 days

Plug Back Depth .

11,538'

Elevation

3640' KB

Production Casing

7" set at 11,160' with 300 sacks cement. 5" liner from 11,011'-11,570' with 75

sacks cement.

Morrow Interval

Perf. 11,358'-11,388'

Mig-Pain Parks 11373 364126

Morrow Stimulation

None

-7733

Potential & Date

CAOF 23,823 MCFPD 8-27-66

Connection Date to Sales

September, 1966

Present Gas Purchaser

Phillips Petroleum & Warren Petroleum

Gas Gravity

0.609

Original Gas-Liquid Hydrocarbon Ratio

10,442 CF/Bbl.

Liquid-Hydrocarbon Gravity

50.60 API @ 600F

PREPARED BY	DATE

AMERADA FEDERAL #1

ŞE	c. 17 T-20-	S R-36-E		3	INTY NEW I	MEXICO	
- -		MONTHLY		MONTHLY	⁴ Acc	5	-
_	DATE	GAS (SALES)	GAS	COND	CONO	YIELD .	
		PRODUCTION	PRODUCTION	PROD.	PROD	B/MMCF	
		14.65#					+
	0/66	125 565	125565	12 329	12329	982	-
2	10/66	237364	362,929	17 352	29681	73/	
3	11/66	266 940	629,869	15540 -	45 221	582	
4	12/66	23/937	861,806	1/5//	56732	496	
5	1/67	164,559	1026365		63038	383	
6	2/67	232636	1259001	7810	70848	33.5	
7	3/67	246 960	1505961	6629	7.74.7.7	268	
8	4/67	217640	1723601	48.26	82303		
9	5/67	204900	1928501	373/	86034	182	}
10	6/67	185469	2113970	2958	88992	159	-
11	7/67	1.7.7366	229/336	2293	91 285	129	
12	8/67	164/23	2455459	1910	93195	11.6	
13	9/67	141657	2597116	/38.7	94582	98	
14	10/67	132949	2730065	1249	9583./	94	
15	11/67	124 415	2854480	997	96828	80	_
16	12/67	105311	2959791	67/	97499	64	1.
17	1/68	108712	30,68503	40 684	98/83	63	
18	2/68	95023	3/63526	580	98763	61	;
19	3/68	100864	3264390	558	99321	11155	
20	4/68	81846	3346236	4/2	99 733	50	<u> </u> ;
21	5/68	84830	3431066	412	100145	4.9	2
22	6/68	76914	3507980	372	100517	48	. 2
23	7/68	72915	3580895	3.4.4	1.00861	47	l:
24	8/68	6928.0	3650175	320	10/18/	46	2
25	9/68	57707	3707882	* //// *	101 298	*	2.
16	10/68	52998	3760880	289	101587	55	2:
27	11/68	47935 XX 4584 1 N	3808873	203	101790	1 1 2 2	2.
28	12/68	54470	3861191	270	102060	50	28
29	1/69	49263 *** 45900	3912548	129	102/89	28	2.
10	2/69	35525	3948073	98	102 287	28	3'
ui	3/69	3.1721	3979794	123	102410	39	31
(2	4/69	24/35	4003929	102	102512	42	3;
, ₃	5/69	26026	4029955	116	102628	45	3.s
4	6/69	24768	4054723	12/	102749	49	34
5	7/69	3.4030	4088753	102	102851	30	35
,	8/69	14971	4103724	10	102861	07	36
, -	9/69	18863	4/22/587	89	102950	17	37
3	10/69		4/30050	51	103001	1 1 20	38
-	11/69	17372 13688 9679	4153647		103001	54-	35
, -	12/69		4149638	135			35 413
-	12/69	28657 3/10/9			103210	T	41
` -	 		4/82/30:1	1 1/1/50			- -41 42
-	XXX ADJ:	DUE TO SOVIED AUGIT	720 S. On -	TANK 14231 - 1	Noveo Turn	AK	- 42 43
+				11 / / / / /	TAIRD IA		
	" Pray	CHAIN THE POLICE BOTH	wind and chair	+	,		

AMERADA	FEDERAL	#/

	7 T-20-S R	AMERADA	FEDERAL	#1.	1 1/- 1/-	
<u> </u>	1 1-20-3 K	MONTHLY	2 100	MONTHLY	NEW ME	X <i>/CO</i> 5
	Do 777	,	ACC.		Acc.	Y = . 5
	DATE	GAS	GAS	COND.	COND.	YIELD
		SALES	SALES	PROD.	PROD.	B/MMcf.
1970	;	14.65#	4182304	//5 6]	10 30/0	
	JAN	49735	4232039	176	103386	3.5
	FEB	38990	427/029 50	DO-574/2 41	103 499	29
	MAR	47718	4318747	167	103666	35
·	APR.	39468	4358273		103 783	30
	MAY	36778	4395577	102	103885	28
·	JUNE	41299	4 436876	9,3	103 9.78	23
	JULY	37764	4474640	88	104066	23
	AUG	35093	4509733	79	104 145	23
	SEPT	30273	4540006	61	104206	20
	OCT	26018	4566024	65	104336	25
	NOV	22984	4589008	84	104/4/0	3 7
,	DEC.	26278	4615286	51	104 192	19
1971		432752	1615 186			
.,	JAN	14531	4629817	3/	104223	
	FEB	12155	464/972	47	104 270	30
	MAR	15524	4657496	32		
	APL	17907			104302	
**********	MAY	1 1 " 1	4675403	14	1042980	00
	· · · · · ·	27699	4703/02	42	1040.27	- - - -
	JUNE	24 200	4752815		104335	
	JULY	- 20024-	4/5/439	14	104349	106
	AUG	191/27	47/4/84	32	104381	1 13
	SEPT	17406	4812829	28 1	104409	- - -
	<u>o</u> cr	19524	1831019	28	104437	
	Nov	2/220	4832334	33	104470	16
	DEC	6834	4839/68	14	104514	64
19.72		2559	4840883	. :		
	JAN	14835	1855718	45	104.559	30,
	FEB	12252	4867970	20	104579	1.6.
*	MAR	15700	4883670	51	104630	32 .
	APR	9590	4.893260	3/	104661	32
	MAY	12205	48997	32	104693	313
	JUNE	16993	4922458	17	104710	10-
	JULY	20565	4943023	3/	104741	30
	AUG	9107	4925909	30	104771	33
	SEPT	79//	1933820	22	104 793	28
	OCT	11/124	4944944	50	104843	45
	NOV	7375	4952319	37	104 880	50
	DEC	808			104882	25
	······································	12314	4953/27			
		100	11953 127			- - - -
ļ	 		1-1-1-1-1			
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DATE

PAGE 3

		_	AMERADA	FEDER			A CONTROL OF THE STATE OF THE S
γ.	EC./	7_T-20-5 K		1	LEA COUN	VTY NEW N	EXICO
			MONTHLY	Acc	MONTHLY	Acc:	
		DATE	GAS	GAS	COND.	COND.	YIELD
•			SALES	SALES	PROD	PROD	B/MMcf.
	1973		(14.65 #) *		<u> </u>		
_		JAN.	2462	1955 589	20	104902	
· ·		FEB	1.1801	4967390	27	104 929	- - - 2 3-
3		MAR	133.72	4980762		104930	- - - - - - - - - -
. 1.		APR	12517	4993279		104939	
-5		MAY	12904	5006183		104939	0.0
°		JUNE	10621	5016804		104939	0.0
·	,, ,	JULY	720	5018524		104941_	
<u> </u>		AUG.	1440	5019964		104941	0.0
10		SEPT	945	5020909		104941	00
		OCT	925	502/834		104941	1 00
,,		Nov	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5023244	- -	104941	00
13	1071	DEC	794	5024238		104941	
	1974	JAN				1247-1	· · - · · · · · · · ·
		FEB	2.57	5027117		104941	
16		MAR	14626	5056000	24	104975	2 3
17		APR	13 2-43	5069243	237	104778	2
18		MAY	12647	528189		104775	
12		JUNE	14125	5076075		104 270	
.20		JULY	16697	511272	C	104378	
ξ1 ·		AUG.	16769	5/29481	3	104781	0.18
22		SEPT.	14053	5144536		104981	
27		OCT.	9316	5157852	٥	104981	
24		NOV.	12951	5166803	7	104783	0.31
25		DEC.	13161	5179964	/ 4	101999	1,06
26	1975	[<u> </u>			
27		JAN	12493	5192457		105010	1 1 1 88
18		FEB	10372	5202829	9	105019	1 37
. ,		MAR	11252	5219081	/6	105 035	1,42
(0		APR	10/054	5224735	1.8	10)033	1,69
31	1	MAY	9237	5233 972	-0-	105053	
12		JVN	8 1 17	5242389		105053	
33.		Ju	7392	5249781	0	105053	- - - - - - - - - - - - - -
14	**** ", "	A46	6750	5256 236	1.	103056	1
15	· 	SEP	5775	5262014	_ 0	10.5056	
16		Oct	6133	5268947	D	105056	
37		Nov	10673	5279550		105056	
18		DEC	1127/6	5292296		102026	- - - - -
19							- - - - - - - -
10	1576			-			
11		500	1-11113	5304475	3.5	10509/	270
12		FEB	F146-1	REDFERM-	05400 5727	-= 1.0,71/3	
1,}	* COM	PRESSOR SHUT- VOW	1/21/73		MILLIFS LOWERED	THEIR LINE PA	2255 7-21-73
	XX COM	NECTED TO WARRE	EN AD . ECCESS ANE	1 <i>241/73</i> 1	自然的 医外型软件	ा राजियस्तरहरू ।	

Page 4

AMERADA FEDERAL #/

AMERADA FEDERAL #1

Page 5

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Osudo Field, N.	Mon +1-1	2 13	Man = 1. 1 -	1	y, New Mex.
DATE	Monthly	Acc.	Monthly	Acc.	Vi -1 d
	Gas Sales	Gas Sales	Cond. Prod.	Cond. Prod.	Yield
	bales	Sales	riou.	rrou.	. " ""
1979					
Mar.	2599	5520556	0	105-182	
Apr.	1 : '• 1	5522790	0	105182	
May	· /	5525504	0	105182	
June		5528 119	0	105182	
July	1 1	5530083			
Aug.		5521613			
Sept.		5533077			
Oct.	1417	5534494			
Nov.					
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1980 Jan.					
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