### CAMPBELL & BLACK, P.A.

LAWYERS

JACK M. CAMPBELL
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JOHN H. BEMIS
MARTE D. LIGHTSTONE

### RECEIVED

APR 19 1984 DALUPE PLACE

OIL CONSERVATION DIVISION MEXICO 87504-2208

TELEPHONE: (505) 988-4421
TELECOPIER: (505) 983-6043

April 19, 1988

Sec.

HAND DELIVERED

Florine Davidson
New Mexico Oil Conservation Division
New Mexico State Land Office
Santa Fe, New Mexico 87501

Case 4371

Re: Application of Reading & Bates Petroleum Company for Compulsory Pooling, Rio Arriba County, New Mexico

Dear Florine:

Enclosed is the Amended Application and Advertisement. Thank you for catching the error.

Very truly yours,

J. Scott Hall

JSH/dmg encl.

BEFORE THE OIL CONSERVATION DIVISION DEPARTMENT OF ENERGY AND MINERALS

Case 937/

APPLICATION OF READING & BATHS
PETROLEUM COMPANY FOR COMPULSORY
POOLING, RIO ARRIBA COUNTY,
NEW MEXICO

APR 19 1881

### AMENDED APPLICATION

OIL CONSERVATION DIVISION

Reading & Bates Petroleum Company by and through its undersigned counsel and as provided in Section 70-2-17 M.M.S.A. 1978 hereby makes application for an order pooling all mineral interest in the Gavilan Mancos Oil Pool underlying the W/2 of Section 15, Township 25 North, Range 2 West, N.M.P.M. to form a standard 640 acre oil spacing and proration unit and in support thereof would show the Division:

- 1. Applicant operates the Howard Federal 43-15 Well located 790' FEL and 1650' FSL of said Section 15 and to which the E/2 of said section is presently dedicated.
- 2. The New Mexico Oil Conservation Commission issued Order No. R-7407-E, effective June 8, 1987 which provides for 640 acres spacing and proration units for the Gavilan Mancos Oil Pool.
- 3. Applicant proposes to dedicate the W/2 of said Section 15 to the Howard Federal 43-15 Well in order to establish a standard a 640 acre oil spacing and proration unit consisting of all of Section 15.
- 4. Applicant has attempted to obtain the voluntary committment of the working interests in the W/2 of said Section 15, but has been unsuccessful.

5. The pooling of the uncommitted interests in the W/2 of Section 15 to the Howard Federal 43-15 Well will avoid the drilling of unnecessary wells, will prevent waste and will protect correlative rights.

Applicant requests that in pooling the uncommitted interests in the W/2 of said Section 15, the Division consider the costs of drilling and completing the Howard Federal 43-15 Well, the allocation of the cost thereof, as well as actual operating costs and costs charged for supervision. Applicant further requests that it remain as operator of the Howard Federal 43-15 Well.

WHEREFORE, Applicant prays that this application be set for hearing before a duly appointed examiner of the Oil Conservation Division on May 11, 1988, and that after notice and hearing as required by law, the Division enter its order pooling the lands, including provisions for applicant to recover its costs of drilling, equipping and completing the well, its costs of supervision while drilling and after completion, including overhead charges, with interest, and imposing a risk factor for the risk assumed by the Applicant in drilling, completing and equipping the well, and making such other and further provisions as may be appropriate.

Respectfully submitted:

CAMPBELL & BLACK

P.O. Box 2208

Santa Fe, New Mexico 87504-2208

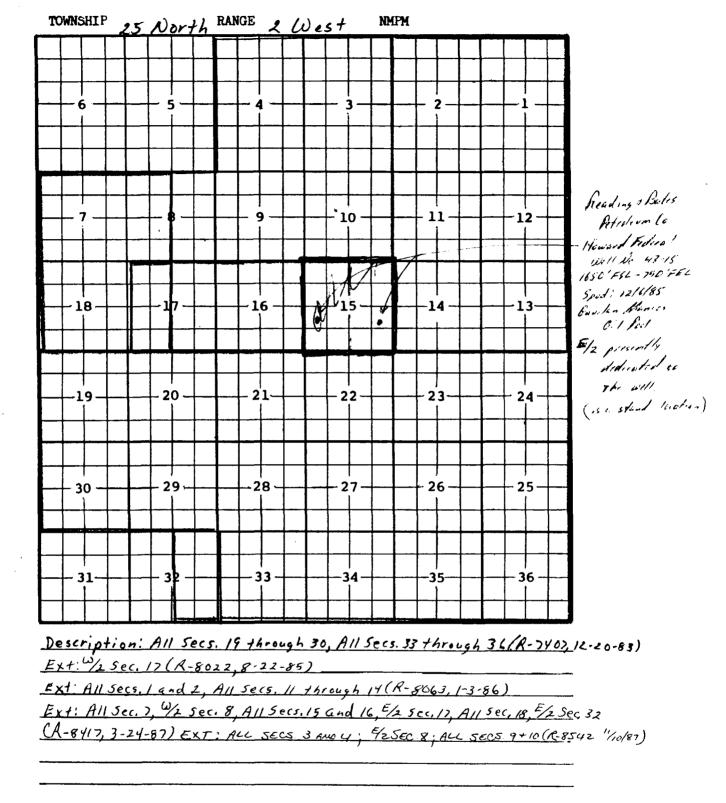
(505) 988-4421

Attorneys for Reading & Bates

Petroleum Company

Application of Reading & Bates Petroleum Company for Compulsory Pooling, Rio Arriba County, New Mexico. Appliant seeks an order pooling all mineral interests in the Gavilan Mancos Oil Pool underlying the W/2 of Section 15, Township 25 North, Range 2 West, to be dedicated to the Howard Federal 43-15 Well located 790' FEL and 1650' FSL of said section and to which the E/2 of said section is presently dedicated. Applicant proposes to establish a standard 640 acre oil spacing and proration unit consisting of said Section 15.

### COUNTY Rio Arriba POOL Gavilan-Mancos Oil



STATE OF NEW MEXICO "ENERGY MIS MINERALS DEPARTMENT	
w' to touch defined	Form C-104 Revised 10-01-78
OUT AND THE CONSERVA	TION DIVISION Format 08-01-49
P. O. SO	
FEB 12 1985AMTA FE. NEW	MEXICO 87504 AC
The state of the s	
CH CONSERVATION DIVISION FOR	RALLOWABLE
I constant and the little of t	R ALLOWABLE NO PORT OIL AND NATURAL GAS
I. Operator	
Reading & Bates Petroleum Co.	
2200 Mid-Continent Marie Mules OF 7/10	22
3200 Mid-Continent Tower Tulsa, OK 7410 Ressen(s) for filing (Check proper bee)	Other (Please explain)
Now Well Change in Transparier etc	Gas Nook will
Recompletion Out - Dr	y Ges
If change of ownership give name and address of previous owner	
I. DESCRIPTION OF WELL AND LEASE	
Lease Name   Well No. Post Name, including Fi	
Howard Federal 43-15 Gavilan Manco	OS Simo. Federal or Fee FED
Unit Letter L : 1650 Foot From The S Lin	e and 790 Feet From The E
Unit Carter ; LUSO rest Free 1 m Lus	P COL 1700 1700 1700
Line of Section 15 Township 25N Range	2W , NMPM, Rio Arriba County
I. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL	GAS
Name of Authorized Transporter of QII are Condensate	Assisses (Give address is which approved copy of this form is is be sent)
Ideas at Authorized Transporter of Cosingness Gos Co or Dry Gos	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas	1729 E. 21st Street P O Box 4990 Farmington NM 87499
t well produces ett er liquida, L 15 25N 2W	is gas actually connected? When Yes 11/6/86
174 Jacobson G. Turners	<u> </u>
this production is commingled with that from any other lease or pool,	give comminging order number
OTE: Complete Parts IV and V on reverse side if necessary.	n
I. CERTIFICATE OF COMPLIANCE	OIL CONSERVATION DIVISION 11 5 1938
cereby certify that the rules and regulations of the Oil Conservation Division have	APPROVED FLOOU
en complied with and that the information given is true and complete to the best of knowledge and belief.	
Library Laboratory	SUPERVISOR DISTRICT 3
	TITLE
Mattles C. talet	This form is to be filed in compliance with RULE 1164,
(Signature)	If this is a request for allowable for a newly drilled or despended well, this form must be accompanied by a tabulation of the deviation
r. Engineer Technician	teets taken on the well in accordance with RULE 111.  All sections of this form must be filled out completely for ellow-
(Title)	able on new and recompleted wells.
(Date)	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 poet in multiply completed wells.

STATE OF NEW MEXICO		
ENERGY AND MINERALS DEPARTMENT	₩ <b>6</b>	
00, 00 COPICO GECETACO	Form C-104	01-78
	TION DIVISION	V-83
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P. O. BO	× 2088 / SEP 0.7.	[
U.S.O.S. SANTA FE, NEV	V MEXICO 87501	ł
LAND OFFICE 13 0 1 1987	/ OIL CON	
TRANSPORTER	N MEXICO 87501 OIL CON. DIV.	
REGUEST FO	R ALLOWABLE DIST. 3	
PROBATION OFFICE AUTHORIZATION TO TRANS		
I.	PURT UIE AND NATURAL GAS	
Operator		
Posting & Pates Datus laws Co		
Reading & Bates Petroleum Co.		
2200 Mid-Continent Tower Tulsa, OK 74103	Total col	
Reason(s) for filing (Check proper box)	Other (Please explain)	
New Well Change in Transporter of:		
Recompletion X Oil D	ry Gas	
Change in Ownership Casinghead Gas C	ondensate	
If change of ownership give name	•	
and address of previous owner		
II DECOMPONIOS WELL AND LEACE		
II. DESCRIPTION OF WELL AND LEASE   Lease Name   Well No.   Pool Name, Including F	ormation Kind of Lease	<del></del>
Gau May oss Go	Ŷ(>	Lease No.
Howard Federal S 43-12 Callup & Dako	State, Federal or Fee Fed.	
Location		
Unit Letter : 1650 Feet From The 5 Lin	e and 790 Feet From The E	
Line of Section 15 Township 25N Range	2W , NMPM, Rio Arriba	County
III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL	C16	
Name of Authorized Transporter of Cil or Condensate	Address (Give address to which approved copy of this form is	to be sent!
EMPRIL CO		
Gary Marketing (0)	77 Road 4990 P.O. Box 159 Bloomfield. Address (Give address to which approved copy of this form is	
Name of Authorized Transporter of Casinghead Gas or Dry Gas	Address (Give dagress to which approved copy of this form is	to be sent,
El Paso Natural Gas Co.	P.O. Box 1492, El Paso, TX 79978	
If well produces oil or liquids, Unit Sec. Twp. Rqs.	Is gas actually connected? When	
give location of tanks.	Yes 11-25-86	
If this production is commingled with that from any other lease or pool,		
If this production is commingted with that from any other tease of poor,	give committeeing order figures.	
NOTE: Complete Parts IV and V on reverse side if necessary.		
The second secon	11	_
VI. CERTIFICATE OF COMPLIANCE	OIL CONSERVATION DIVISIDA	n 1887
	SEPU	9 139.
I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of	APPROVED	. 19
my knowledge and belief.	8-1/4/	
my knowledge and benez.	BY	<u> </u>
^	TITLESUPERVISOR	STRICT 33
hattle L' +	This form is to be filed in compliance with RUL	E 1104.
140000000000000000000000000000000000000	If this is a request for allowable for a newly drill	ed or deepened
(Signature)	well, this form must be accompanied by a tabulation of	of the deviation
Sr. Engineering Technician	tests taken on the well in accordance with RULE 11	
(Title)	All sections of this form must be filled out comple	etely for allow-
9-1-87	able on new and recompleted wells.	
(Date)	Fill out only Sections I. II. III. and VI for char well name or number, or transporter, or other such change	nges of owner,
,	Separate Forms C-104 must be filed for each p	
·	completed wells.	oos tu martibià

Designate Type of Complet	ion – (X)	l les well workbret Deepe	Pring Duck   Summary. Ditt. nessy.
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Elevations (DF, RKB, RT, GR, etc.,	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations	<del></del>		Depth Casing Shoe
	TUBING, CASING,	AND CEMENTING RECORD	
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
V. TEST DATA AND REQUEST OIL WELL Date First New Oil Run To Tanks	FOR ALLOWABLE (Test must be able for this	e after recovery of total volume of load depth or be for full 24 hours) Producing Method (Flow, pump, go	i oil and must be equal to or exceed top allowas lift, etc.)
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bhis.	Water - Bbis.	Gas-MCF
GAS WELL			
Actual Prod. Test-MCF/D	Length of Test	Bbis. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

IV. COMPLETION DATA

### EL PASO NATURAL GAS COMPANY POST OFFICE BOX 990 FARMINGTON, NEW MEXICO

GAS FROM RE	Operator	HOWARD FE	DERAL #43-15 eil Name	٠.
95-982-01	44832-01	<b>r</b>	15-25-2	•
Meter Code	Site Code	Well Unit	S-T-R	
GÁVILAN GRI	ENHORN GRANEROS DAKOTA	ET BACO W	ATTIRAL GAS	•
	Pool		e of Purchaser	. •
WAS MADE ON _		FIRST DELIVERY	NOVEMBER 25, 1986	•
	Date		Date	
AOF				
CHOKE				
	<u>-</u> .	•		
•		<u>EL PAS</u> Purchaser	O NATURAL GAS	
	. '	J.	· · · · · · · · · · · · · · · · · · ·	
	•	Represent	tative	_
		p. oso		
		<u> </u>	Technical Support	
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## STATE OF NEW MEXICO ENERGY MO MONERALS DEPARTMENT

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DISTRIBUTE	944	
LANTA PE		
FILE		
U-3-G-4.		
LAMO OFFICE		
TRAMPORTER	OIL	
	-	
OPERATOR		
PROBATION OFF	HEE	

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

Form C-104 Revised 10-01-78 Formal 08-01-83

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

·				
Description Description	lawa Ca			
Reading Bates Petro	Teum Co.			
3200 Mid-Continent	Tower, Tulsa, Oklahom	a 74104		
tessen(s) for filing (Check proper box)		Other (Pleas	re explain)	
New Well	Change in Transporter of:		•	
Resumpletion		kry Ges	•	
Change in Ownership	Castnehous Ges C	condensate	<del></del>	
change of ownership give name				
nd address of provious owner			<del></del>	
DESCRIPTION OF WELL AND LE	: A CIP			
-Jaco Name	Well No.   Pact Name, including F Gayilan, Gree Dakota	ormation Cases	Kind of Lease	Legae No.
Howard Federal	43- Dakotan, Gree	miorn Graneros	State. Federal or Fee Federal	0555076
.ocetien		.•		
Unit Letter L : 1650	Foot From The South Li	ne and	Foot From The East	
Line of Section 15 Township	25N Range	2W , NMP	M. Rio Arriba	County
T DECICAL TON OF THE ANGROOM		7.646		
DESIGNATION OF TRANSPOR	or Condensate	L GAS Androne (Give address	to which approved copy of this form is	to be senti
Coñoco			, Bloomfield, N.M. 8741	
ame of Authorized Transporter of Casingre	eat Gas 👽 or Dry Gas 🗀	Address (Give address	to which approved copy of this form is	io be sens)
Northwest Pipeline Corp.		P.O. Box 8900	, Salt Lake City, Utah	84105-0900
well produces oil of liquids, Uni	t Sec. Twp. Ree.	la que actually connec		
ive location of tenta.	k5 25N 2W	no	1	
this production is commingled with the	st from any other lease or pool,		er numbert	
OTE: Complete Parts IV and V on	concern side if necessary	11-24-56		
Jil. Complete Latt IV and V on	reverse same sy mecassary.	12		
CERTIFICATE OF COMPLIANCE		OIL	CONSERVATION DIVISION	
creby certify that the rules and regulations of	the Oil Consecution Division have	APPROVED	A STORY	<u> </u>
a complied with and that the information giv			6	مسلسان الله
knowledge and belief.		BY Durly,		
		TITLE	<b>8</b>	
2. Bun Peter				
J. Bue fetto		11	o be filed in compliance with RUL quest for allowable for a newly drill	
(Signature)		well, this form mu	at be accompanied by a tabulation	of the deviation
Division Manager		13	well is accordance with RULE !!	- <del>-</del>
8-11-86 (Tile)		All sections o	f this form must be filled out compl ecompleted wells.	etely for allow-
			Sections L. II. III. and VI for cha	
(Dete)		II .	er, or transporter, or other such chan	•
	*	Separate Form	s C-104 must be filed for each p	ooi in multiply

AUG 15 1003 - OIL CO.M. DIV.

Designate Type of Comp	letion - (X)	New Well   Warkover   Deepen	Plug Back   Same Reefv. Diff. Res
sta Spuddod	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
12/6/85	3/15/86	7982'	7912'
evettene (DF, RKB, RT, GR, et	(DF, RKB, RT, GR, etc.) Name of Producing Formation		Tuhing Depth
7249' GL	Greenhorn Graneros Dak	ota 7577'	7500'
rigretions			Depth Casing Shee
517-7550 7592	7603 7706 7612, 76;	20,7623,7628,7632	7953'
,		AND CEMENTING RECORD	·
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12½"	9-5/8"	374 <b>X</b> '	250
8 7/8"	7."	79531	1610'
			415
	$\frac{23}{9}$	7500	
TEST DATA AND REQUI OIL WELL no First New Oil Run To Tonks		e after recovery of total volume of load of depth or he for full 24 hours;  Producing Mothes (Flow, pump, gas	
2-1-56	2/1/86	Flow	
neth of Test	Tuhing Pressure	Coning Pressure	Chete Size
24 hrs.	180-205	0	32/64"
tual Prod. During Test	Oll-Bhis.	Water-Bbla.	Gee-MCF
tuel Pres. During Teet	. 19.8 53.3	24	1,591
S WELL			Crerity of Condensess
S WELL runi Pred, Test-MCF/D sating Method (pass, back pr.)	. 19.8 53.3	24	1,591

7843,9646, 1715, 7723, 7726, 7755, 7754, 7757, 7759, 7762, 7771, 775, 7791, 7793, 7796, 7799, 7821, 7824,7826, 7828, 7830, 7842, 7845, 7847, 7852, 7853, 7855, 7860

Form 3160	-4
(November	1983)
(formerly	9-330)

	Form approved. Budget Bureau No. 1004-0137 Expires August 31, 1985
)  -	5. LEASE DESIGNATION AND SERIAL NO
	NM-05550776 6. IF INDIAN, ALLOTTEE OR TRIBE NAM

	DEPARTM				structi reverse	ons on 5, t.E.	IBE DEBIGNA	TIUN AND BERIAL NO.
	BUREA	AU OF LAND	MANAGEMEN	( )	<u> </u>		M-055507	776
WELL CON	MPLETION O	R RECOMP	LETION R	EPORT/	AND LOG	; *   6. IF	INDIAN, ALL	OTTEE OR TRIBE NAME
1a. TYPE OF WELL	L: OH. WELL	X WELL	DRY (	Other	305445		IT AGREEME!	NT NAME
L TYPE OF COMP				R	ECEIVE	$D^-$		
WELL K	WORK DEEP OVER [	nack	DIFF	Other		8. FA	RN OR LEASI	E NAMB
2. NAME OF OPERATO	DR .			7.1	UN 1 3 198	6 Ho	ward Fee	deral
Reading & B	ates Petrole	um Co.				9. WI	LL NO.	· <del></del>
3. ADDRESS OF UPER	ATOR				OF LAND MANA		-15	
3200 Mid-Co	ntinent Towe	<u>r, Tulsa, I</u>	<u>0K 74103</u>	F, YOMIN	GTON RESOURC		_	OL, OR WILDCAT
	550'FSL, 790'		raance with any	otate requi	rementa) -	<u>Gavi</u>	lan Gree	enhorn/Graneros
	-					11. 8	R AREA	Dakota
At top prod. inte	erval reported below.	Straight	Hole	)		Sec.	15,T25	N,R2W
A A Acest doman	Straight Hol			i				
	Straight hor		14. PERMIT NO.	<del>-  </del>	DATE ISSUED		OUNTY OR	13. STATE
							Arriba	New Mexico
15. DATE SPUDDED	16. DATE T.D. REAC	,	OMPL. (Ready to	prod.) 18	ELEVATIONS (D			. BLEV. CASINGHEAD
12/6/85	12/21/85	3/15		, <u> </u>	7249 'GL			7249'
20. TOTAL DEPTH, MD 4	l .	ACK T.D., MD & TVD	22. IF MULT HOW M	TIPLE COMPLANT		RVALS ROTA LED BY	ARY TOOLS	CABLE TOOLS
7982'MD & TV	/D   7912'	MD & TVD	2	D AND THE		<u>→                                    </u>		25. WAR DIRECTIONAL
TOP: 7754'		860' Name				ttom: 77	35'	SURVEY MADE
	neros; TOP:		tton: 700	16 <sup>2</sup> , Nam		orn		no
26. TYPE SLECTRIC A	ND OTHER LOGS RUN						1 27.	WAS WELL CORED
FDC/CNL/GR:	; DIL/Laterol	log: BHC So	nic/GR: Sc	nic Wav	eform		Ì	no
29.	, bill care. o		RECORD (Rep					
CABING SIZE	WEIGHT, LB./FT.	DEPTH SET	(MD)   1101	E SIZE	CEM	ENTING RECORD	<del></del>	AMOUNT PULLED
9-5/8"	36	374'	1	24"	250 sx.	- 295	c.f.	
7"	26	7953		3-7/8"	1610 sx	2294	C. F.	
··		_		<del></del>	-			
					<u> </u>			
29.	<del></del>	NER RECORD	ACKS CEMENT*	***********	30.	<del></del>	G RECORD	
8128	TOP (MD) BO	STOM (MD)	ICKE CEMENT	SCREEN ()			SET (MD)	PACKER SET (MD)
					2-3/8"	750	10.	7500'
31. PERFORATION REC			<u></u>	32.	ACID, SHOT	FRACTURE.	CEMENT SC	QUEEZE, ETC.
7577',80',92	';7603',06',	12',20',23'	,28',32',		TERVAL (MD)			P MATERIAL USED
43',46'; 771!				7715'-	7860'	60,000	ial. gel	lled water;
/1,/5,91,93	,96,99'; 782 <sup>1</sup>	1',24',26',	,281,301,		<del></del>	105,000		
42',45',47',	52',55',60'.	512e: 1/	2	7577-7	'646'			lled water;
	<u> </u>					35,000#	20/40 s	sand
33.•				OUCTION		·	<del></del>	
DATE FIRST PRODUCT	1	ION METHOD (Flo	winy, yua 1151, p1	ping8126	: una sype of pun	n p j	ehut-in)	
DATE OF TEST	HOURS TESTED	flowing	PROD'N. FOR	OIL-BBL.	GAS-M	CF. WAT	Shut-	GAS-OIL BATIO
2-1-86	3	32/64"	TEST PERIOD	6.66	222.8		2	33452
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED	01L BBL.	<u> </u>	-MCF.	WATERHBC.		L GRAVITY-API (CORR.)
200	0	24-HOUR RATE	53.3	17	7 <del>83</del> = -1	16	-	
34. DISPOSITION OF G	AR (Sold, used for fu	el, vented, etc.)	·	•	划造成	5 1 17 180	WITHESED	) BT
vented						20日记	1	
35. LIST OF ATTACH	MENTS				HIM -	0.1-		
	<del></del>	<del> </del>	·		JUN 1	8 1986		
36. I hereby certify			rmation is comp	olete and cor	ren se determin	ed from all av	ailable recor	rde
SIGNED 2.	Sun Pet	**	TITLE	Division	on Manager		DATE	6/10/86
·········				<del></del>	<u> </u>		~~	

MOTTON   GOT	drill-stem, tests, including depth interval tested, cusnion used, time tool open, inowing and shut-in pressures, and recoveries):	38. GEOL	GEOLOGIC MARKERS	a
		NAME	MEAS, DEPTH	TRUE VERT, DEPTH
		Cliff House Menefee	5082' 5180' 5534'	5082' 5180' 5534'
		Mancos Gallup	5700' 6736'	5700° 6736°
		Sanastee Greenhorn Graneros	7268' 7572' 7648'	7268' 7572' 7648'
		Dakota Burro Canyon	77531 79301 79821	7753' 7930' 7982'
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				· .
				,

Form 3160-5 (November 1983) (Formerly 9-331)	UNITED ST DEPARTMENT OF T BUREAU OF LAND A	HE INTERIOR	SUBMIT IN TRIPLICA (Other instructions on verse side)	5. LEASE DESIGNATION AND NM-05550776	1985 BURLAL NO.
(Do not use this fo	RY NOTICES AND rm for proposals to drill or to use "APPLICATION FOR PERS	REPORTS ON deepen or plug back to fit—" for such propose	WELLS of a different reservoir.	6. IF INDIAN, ALLOTTER OR	TRIBE NAME
OIL GAB WELL WELL	OTHER			7. UMIT AGERMENT NAME	
Reading & Bate 3. ADDRESS OF OFERATOR	s Petroleum Co.		-	Howard Federal	<del></del>
	nent Tower, Tulsa,	OF 7/102	. •	43-15	
4. LOCATION OF WELL (Reg See also space 17 below At surface	ort location clearly and in acco	ordance with any State	RECEIVED	Gavilan-Mancos	/ Gayilar
1650'FSL, 79	O'FEL	·	MAR 2 8 1986	Greenhorn-Grane 11. SUC. T. B. M. OR BLE. SURVEY OR AREA Sec. 15,T25N,R2W	AND
14. PERMIT NO.	15. ELEVATIONS 7249 GI	FARM	MUCCH LAND MANAGEM	N.M. P.M. 12. COUNTY OR PARISH 18	
16.	Check Appropriate Box		e of Notice, Report, o		EW MEXILO
ко	TICE OF INTENTION TO:		. 808	BENGUNNT REPORT OF:	
TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE	PULL OR ALTER CA MULTIPLE COMPLE ABANDON®		WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING	ABANDONMENT®	<del></del>
REPAIR WELL (Other)	CHANGE PLANS		(Norm: Report res	& cmtg. prod. csg. sults of multiple completion on V completion Report and Log form.)	Well Television
guide shoe (35 jts. 7", stage collar stage collar 7", 26#, N-8 Poz + 2% gel Stage 2: 44 followed by 10% Calseal	1.00'); 1 jt. 7", 2 26#, N-80, LTC (135 (3.00')(depth 4,99 (3.00')(depth 3625 0, LTC (43.10').	26#, N-80, LTC 54.67'); 38 jt 58'); 33 jts. 5'); 87 jts. 7 Cemented as fo sx Gilsonite, 3% gel + 10% C eat. Stage 3:	(36.10'); float s. 7", 23#, N-80, 1 7", 23#, N-80, L 11ows: Stage 1 followed by 50 alseal + 12½#/sz 160 sx 65/35 1 y 50 sx. Class	O, LTC (1561.09'); LTC (1370.12'); TC (3570.34'); 1 jt. : 860 sx. 50/50 sx. Class "B" neat. x. Gilsonite, Poz + 3% gel +	
18. I hereby certify that th	a foregoing is true and correct		······································	DIST. 3	·
SIGNED 2. B	une fetito		ion Manager	DAG 3/26/1	SECORD
(This space for Federal	or State office use)			APR 0.9	1906
APPROVED BYCONDITIONS OF APP	ROVAL, LF ANY:	TITLE		DATE	MAKE AREA
				FARISHIBATOR NE	000114 = 1.11

\*See Instructions on Reverse Side

Form 3160-5 (November 1983) (Formerly 9-331 DEPA	UNITED STAT	TES E INTERIOR	SUBMIT IN TRIPLICA (Other instructions on verse side)	Budget Bureau No. 1004—0135 Expires August 31, 1985  5. LEASE DESIGNATION AND SERIAL NO.
	REAU OF LAND MAN			NM - 0555076
SUNDRY N (Do not use this form for p Use "APP	OTICES AND RE	PORTS ON	WELLS  o-a different reservoir.	8. IF INDIAN, ALLOTTER OR TRIBE NAME
1.	MONTHON 1 ON 1 2-1-41-1		. /	7. UNIT AGREEMENT NAME
WELL X WELL OTHE	:B			S. FARM OR LEASE NAME
Reading & Bates Peti	coleum Co.		ン 3n /	Howard Federal
3200 Mid-Continent	Tower Tulsa OK	^^^1\d103		43-15
4. LOCATION OF WELL (Report locat See also space 17 below.) At surface	ion clearly and in accorda	nce with any State	RECEIVED	10. FISLD AND FOOL, OR WILDCAT Gavilan-Mancos/ Gavila Greenhorn-Graneros/Dakota
1650'FSL, 790	)'FEL		MAR 2 8 1986	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15, T25N, R2W
14. PERMIT NO.	15. BLEVATIONS (Sb	ow whether Dan AZn 6	TU OF LAND MANAGEM	N.M. P.M. 12. COUNTY OR PARISH 18. STATE
	7249 'GL	E 1 0	MINGTON RESOURCE AR	EA I
16. Charle			(N) D	
	Appropriate Box to	indicate Matur	e of Notice, Report, c	or Other Data
TEST WATER SHUT-OFF	PULL OR ALTER CASING		WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE		PRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON*		SHOOTING OR ACIDIZING	ABANDONMENT*
REPAIR WELL	CHANGE PLANS			comtg. surface csg.
(Other)		1	Completion or Reco	ompletion Report and Log form.) ates, including estimated date of starting any
		<u>-</u>		REGETVED APR 1 01986
				OIL CON. DIV. DIST. 3
18. I hereby certify that the foregoing Signed J. Suuce	ng la true and correct	TITLE Divis	ion Manager	100EP3/25/8E0070
(This space for Federal or State	office use)			
APPROVED BYCONDITIONS OF APPROVAL,		TITLE		DATE CARRIED NO SOLO MALA
•	*See	Instructions on	Reyene Side	BY
mile 19 tJ. C. Charlon 1001 m		MINIOU		e to any department or agency of the

Form 3160-5 (November 1983) (Formerly 1—381)	UNITED	STATES SUBMIT IN TRIP (Other Instruction THE INTERIOR (Other Instruction THE INTERIOR (Other Instruction Interior Interi	Budget Bureau No. 1004-0135 Expires August 31, 1985  5. LEASE DESIGNATION AND SESIAL NO.
11	BUREAU OF LAN		NM - 0555076
(Do not use t	INDRY NOTICES AN his form for proposals to drill o Use "APPLICATION FOR P	D REPORTS ON WELLS  r to deepen or plug-bank to a different reservo ERMIT—" for such proposals.)	G. IF INDIAN, ALLOTTER OR TRIBE NAME
1.			7. UNIT AGREEMENT NAME
WELL X WEL			S. FARM OR LEASE NAME
	-71		Howard Federal
3. ADDRESS OF OPERA	Bates Petroleum Co. 708	TO THE PARTY OF TH	9/ WBLL NO.
	ontinent Tower, Tuls		/ 43-15
4. LOCATION OF WELL See also space 17	(Report location clearly and in	accordance with any State Fred ement VE	Gavilan-Mancos Gavila
20 0000	1650'FSL, 790'FEL	MAR 2 8 1986	Greenhorn-Graneros/Dakota 11. SEC. 7. R. M., OR BLE. AND SURVEY OF ARM Sec. 15, T25N, R2W
·		BUREAU OF LAND MANAG	37 34 D 34
14. PERMIT NO.	15. ELEVATI	PARIVINGTON RESOURCE	E AREA
	<u> </u>	7249 ' GT.	Rio Arriba NM
16.	Check Appropriate B	Box To Indicate Nature of Notice, Rep	port, or Other Data
	NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:
TEST WATER SHU	T-OFF PULL OR ALTE		REPAIRING WELL
FRACTURE TREAT	MULTIPLE COS	<del>-</del>	
SHOOT OR ACIDIZE REPAIR WELL	CHANGE PLAN	BHOOTING OR ACID	Commencement (Spud)
(Other)		(Nors: Repo	ort results of multiple completion on Well or Recompletion Report and Log form.)
The	subject well was sp	oudded at 7:00 P.M., 12-6-85.	•
		•	
		-	
		·	
			<b>DECEIVE</b>
	,		ARR 1 0 1986
			OIL COM. DIV
18. I hereby certify the	hat the foregoing is true and co.	rrect	/ /
SIGNED	Sun Petito	TITLE <u>Division Manager</u>	PATE 3/26/86
(This space for F	ederal or State office use)		
APPROVED BY _		TITLE	APR 0.0 1986
	APPROVAL, IF ANY:		c
			FARMINGTON NEOCONDE MILEY

### UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

5.	LEASE/	
S	F-0/5550	76

5 IE 16	IDIAN	ALLOTTEE	\ \ \ \ \	TDIDE	MAME
יור ער	NUIAIN,	ALLUITE	. UK	IKIBE	NAME

	<del></del>	<b></b>
SUNDRY NOTICES AND REF  (Do not use this form for proposals to drill or-to-di reservoir, Use Form 9–331–C for such proposals.);	eepen or plug back to a different	7. UNIT AGREEMENT NAME
reservoir. Use rorm 9-331-C for such proposals.()		8. FARM OR LEASE NAME
1. oil gas .	DEC 47 YOUR MI	Howard Federal
well well other	1.6-	9. WELL NO. 43-43
2. NAME OF OPERATOR Reading & Bates Petroleum Co	AMD THE COLUMN	
3. ADDRESS OF OPERATOR 2300 De	enver National Bank	10. FIELD OR WILDCAT NAME   Gavilan-Mancos/Gavilan   Greenhorn-Graneros-Dakota
1125 17th St. Denver, Color	rado 80202	11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION DEIOW.)		AREA Sec. 15-T25N-R2W
AT SURFACE: 1650'FSL, 79	O'FEL	12. COUNTY OR PARISH 13. STATE
AT TOP PROD. INTERVAL: Sam	ıe	Rio Arriba N.M.
AT TOTAL DEPTH: Same		14. API NO.
LG. CHECK APPROPRIATE BOX TO INDIC	CATE NATURE OF NOTICE,	_
REPORT, OR OTHER DATA		15. ELEVATIONS (SHOW DF, KDB, AND WD) 7249 GL
REQUEST FOR APPROVAL TO: SUE	BSEQUENT REPORT OF:	
TEST WATER SHUT-OFF		
FRACTURE TREAT	BDFAF	1 1 P
SHOOT OR ACIDIZE	RECE	
PULL OR ALTER CASING	H	(NOTE: Report results of multiple completion or zone change on Form 9–330.)
MULTIPLE COMPLETE	☐ JEC 1;	3 1985
CHANGE ZONES		
ABANDON*	TAM BUREAU OF LAND	MANAGEMENT
(other) change casing frog	FARMINGTON RE	
	cementing progra	rogram, a change from one am will remain the same.  oot, N-80, LT&C/Ooot,
Subsurface Safety Valve: Manu. and Type FOR: READING & BATES  18. Thereby certify that the foregoing is given by the same of t	PETROLEUM COMPA	NY Walsh
SIGNED ENELL N. WALCH EWell N. Walsh P.E.	TITLE Engr. & Pro	od. DATE 12/12/85
· · · · · · · · · · · · · · · · · · ·	(This space for Federal or State of	ffice use)
	TITLE	DATE
CONDITIONS OF APPROVAL IF ANY:		
	*See instructions on Reverso	Side FAMIN

Form 3160-3 (November 1983) (formerly 9-331C)

10

SUBMIT IN TRIPLICATE.

(Other instructions on reverse side)

30-039-23949
Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES DEPARTMENT OF THE INTERIOR 5. LEASE DESIGNATION AND SERIAL NO.

	BUREAU OF	-LAND MANAG	EMEN	Τ.			SF-05	55076
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK						6. IF INDIAN	, ALLOTTER OR TRIBE NAME	
IA. TYPE OF WORK	LL 🔯	DEEPEN [		PLU	G BAC	ж 🗆	7. UNIT AGE	EEMENT NAME
b. TIPE OF WELL	.s 🗂		SI	NGLE [	MULTIP	us Kod	6 5:51	LEASE NAME
WELL W	ELL OTHER	العام. الأماري	20		ZONE	<u>A</u>		d Federal 15
	ATES PETROLEU	M COMPANY					9. WELL NO.	
	Attn: R.B. Si		2300	Denver	Nati	onal	43-1	<del>5</del>
	ng; 1125 17th						10. FUELD AN	Mancos/Gavilan &
	eport location clearly and 650'FSL, 790'		R	E C E		ED	Greenhor	n-Graneros-Dakota m., w., om mik. yev om anna
At proposed prod. zon	• Same			NOVO	7 1005		11.	15-T25N-R2W
14. DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POST	OFFICE		( 1303			M.P.M.
1/2 mile Ea	st Gavilan, N	New Mexico	<b>(8</b> 0	REAU OF LAND	. SAANIAC	ENCLIT	Rio Ar	
15. DISTANCE FROM PROPO LOCATION TO NEAREST	SED*			KWINGLO HYSE	SUBRCE	VEEVI	OF ACRES ASSI	NED
PROPERTY OR LEASE L (Also to nearest drig	.ine, <i>f</i> t.	790'		4080		E 320/320		320/320
13. DISTANCE FROM PROP TO NEAREST WELL, D	OSED LOCATION®		19. PR	POSED DEPTH		20. BOTA	AT OR CABLE T	
AR APPLIED POR ON TH	TE TEASE PP	None		8100'				Rotary
21. ELEVATIONS (Show who DR) 7249 GL SUE	CLET DF. RT. GR. etc.) LLING OPERATIONS AU RECT TO COMPLIANCE	THORIZED ARE	725	7'			11	. DATE WORK WILL START*  / 30/85
<sup>23.</sup> "Gl	ENERAL REQUIREMENTS	PROPOSED CASIN	G AND	CEMENTING	PROGRA	This act	ion is subject	t to technical and
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER PO	OT	SETTING DE	PTH	and app	eal persuant	ursuant to 43 OFR 3165.
12-1/4"	9-5/8"	36.00		350'		312	cu.ft.	
8-3/4"	7"	23.00&26	.00	8100'		955	c <b>v</b> .ft.	3 stage
"B" Ten Poin "C" Blowout	and Elevation t Compliance Preventer Diacint Requirement	Program agram	.PD	"F" Ra	adius cill	Map Rig L	to Loc of Fiel ayout Program	d
The gas from	this well is	s not comm	itte	"I" Lo	ocati	_		
	drill or deepen directions	ally, give pertinent	data o	n subsurface loc				nd proposed new productive tical depths. Give blowout
FOR: REA	DING & BATES ORIGINAL Walsh. ENEL 1	PETROLEUM SIGNED SH de N'E	COM Wa	IPANY alsh Engi	r. &	Prod.	Corp.	11/6/85
(This space for Fede	rai or State office use)			, <b>(</b> 44	E A	27		ANTAIDED
PERMIT NO.		<del></del>		APPROVAL DATE	<u> </u>			AMENDED
APPROVED BY		TIT	L <b>z</b>		DEC	03198	35 (SGD)	UV 2 7.1985 HEACH
CONDITIONS OF APPROV	Hald C-104	elistation - See Instru	NM(	On Reverse S	11	014. I 87. g	DIY. M.	MILLENBACH REA MANAGER
ر.ان	1							

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

Form C-102 Supersedes C-128 Effective 1-1-65

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

READING & BATES PETROLEUM CO.  HOWARD FEDERAL 15  Light Letter Section Township Range County  I 15 25 North 2 West Rio Arriba  Actual Footage Location of Well:  1650 feet from the South line and 790 feet from the East line  Ground Level Elev: Producing Formation Green he run 7257 Mancos Gavilan Green Mancos Ext 320/320 Actual County  1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.									
I 15 25 North 2 West Rio Arriba  Actual Footage Location of Well:  1650 feet from the South line and 790 feet from the East line  Ground Level Elev: Producing Formation Green here Pool Gavilan Green how Granderes Dakets 320/320 Actual Representation Gavilan Mancos Ext 320/320 Actua	-								
Actual Footage Location of Well:  1650 feet from the South line and 790 feet from the East line  Ground Level Elev: Producing Formation Green have Pool Gavilan Green have Granders Darkete Dedicated Acreage:  7257 Mancos Gavilan Mancos Ext 320/320 Ac									
1650 feet from the South line and 790 feet from the East line  Ground Level Elev: Producing Formation Green horn Pool Gavilan Green hour Granders Darkete Dedicated Acreage:  7257 Mancos Grander & Gavilan Mancos Ext 320/320 Ac									
Fround Level Elev: Producting Formation Green here Pool Gavilan Greenhoun-Graneros Dakete Dedicated Acreages  7257 Mancos Graneros Gavilan Mancos Ext 320/320 Ac									
7257 Mancos Exameros Gavilan Mancos Ext 320/320 Ac									
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.	9.6								
	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 constated by communitization, unitization, force-pooling. etc?	ali-								
Yes No 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 sid	e of								
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitizat forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Comsion.									
CERTIFICATION									
I hereby certify that the information	con-								
tained herein is true and complete to	the								
FOR: READING & BATES. PETR	. CO.								
Name EVELL 1. You									
Position									
Company									
NM-04083 Walsh Engr. & Prod. Corp									
Date 11/6/85									
Sec.	*								
I hereby certify that the well local	tion								
SF-0555076 shawn on this plat was plotted from									
notes of actual surveys made by m	or								
under my supervision, and that the s									
790 Is true and correct to the best of	my								
knowledge and bellef.									
SF-081332-B Date Surveyed									
Nov. 5,1985									
SF-081332  Nov. 5, 1985									
The Land surveyor									
Fred B. Kerr Jr.	_								
Certificate No.									