# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

his form is not to e used for reporting acker leakage tests 1 Southeast New Mexico

Lower

Completion

Hour, date shut-in

Southerst He	M MEXICO						
						en njag	Page 1 Ravised 11/16/98
		NORTHWEST	NEW MEXICO	PACKER-L	EAKAGE TE	ST	5
Opera	ator Domin	nion Pro	J. +EXP. Lea	ise Nam <u>e</u>	MKL		Well No 1
	Well:Unit Letter					39.	
	NAME OF RESE	RVOIR OR POOL	TYPE OF	PROD.	METHOD OF (Flow or A		PROD.MEDIUM (Tbg. or Csg.)
Upper Completion	Picture	a Cliff	Ga	,S	Compr	essor	Tbg.
Lower Completion	Chacra		Ga	S	Flow		Tbg.
		PRE-F	LOW SHUT-IN	PRESSURI	E DATA		
Upper Completion	Hour, date shut-in 10 - 14 - D	) <b>Z</b>	Length of time st 3 da		SI press. Peig 45		Stabilized? (Yes or No) YeS
Lower Completion	Hour, date shut-in	2		stud-in St press. Paig 205			Stabilized? (Yes or No) Y & S
· 		· · · · · · · · · · · · · · · · · · ·	FLOW TE	ST NO. 1			
Commenced at (	(hour, date)*	<u> </u>		Zone producing	(Upper or Lower):	<u> L01</u>	ner
TIME (hour,date)	LAPSED TIME SINCE	PRESS Upper Completion	Lower Completion	PROD. ZONE TEMP.		RE	MARKS
0-17	Iday.	45	205		Flov	ved 1	ower zone
			.)	- (**	+0+	ank	for 30 min
· · · · · · · · · · · · · · · · · · ·					Lowe	er zo	ne to 18
		<del> </del>			Lbs	. Upp	er zone
<del></del>					No	chan	ae. Witness
• • • • • • • • • • • • • • • • • • • •		İ				3ruc	e Martin
roduction r	ate during test				.00	CD	
il:		BOPD base	ed on	Bbls. in	Hou	rs	GravGOR
as:(	68		FPD; Tested th				***************************************
		MID-	TEST SHUT-IN	PRESSURE	E DATA		
Upper Completion	Hour, date shut-in		Length of time		SI press psig		Stabilized? (Yes or No)

(Continue on reverse side)

SI press, psig

Stabilized? (Yes or No)

Length of time shut-in

Commence	d at (hour, date)	He .	· · · · · · · · · · · · · · · · · · ·	Zone producing (Upper or Lowr):			
TIME (hour,date)	LAPSED TIME Since**	PRESS Upper Completion	Lower Completion	PROD. ZONE	REMARKS		
	y ar y seed to	an expose the subsection		3.1			
		-					
	te during test						
		based on MC	Bb:Tested thru	ols. in Ho	pursGravGOR		
	ВОРО	based onMC			ours. Grav. GOR		
emarks:	BOPE	· · · · · · · · · · · · · · · · · · ·		7	The state of the s		
Dil: Bas: Remarks: hereby certif	BOPD  fy that the inform	mation herein co	ntained is true a	nd complete to the	e bes of my knowledge.		
Dil: Dil: Dias: Demarks: hereby certification of the control of	fy that the inform	mation herein co	ntained is true a	nd complete to the	e bes of my knowledge.		
Dil: Dil: Dias: Demarks: hereby certification of the control of	fy that the inform	mation herein co	ntained is true as Operato	or Domin	e bes of my knowledge.		

#### NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.
- At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.
- 3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized, provided however, that they need not remain shut-in more than seven days.
- 4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued for seven days in the case of a gas well and for 24 hours in the case of an oil well. Note: if, on an initial packer leakage test, a gas well is being flowed to the atmosphere due to the lack of a pipeline connection the flow period shall be three hours.
- 5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.
- Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test no. 2 is to be the same as for Flow Test No. 1 except

that the previously produced zone shall remain shut-in while the zone which was previously shut-in is produced.

- 7. Pressures for gas-zone tests must be measured on each zone with a deadweight pressure gauge at time intervals as follows: 3 hours tests: immediately prior to the beginning of each flow-period, at lifteen-minute intervals during the first hour thereof, and at hourly intervals thereafter, including one pressure measurement immediately prior to the beginning of each flow period (at approximately the michway point) and immediately prior to the conclusion of each flow period. Other pressures may be taken as desired, or may be requested on wells which have previously snown questionable test date.
- 24-hour oil zone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges the accuracy of which must be checked at least twice, once at the beginning and once at the end of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the recording gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the gas zone.
- 8. The result s of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the Aztec District Office of the New Mexico oil Conservation Division on northwest new Mexico packer leakage Test Form Revised 11-16-98 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).

NO OF COPIES REC	EIVED		
DISTRIBUTIO	Γ		
SANTA FE			
FILE			
U.S.G.S.			
LAND OFFICE			
IRANSPORTER	OIL		
	GAS		
OPERATOR			

	DISTRIBUTION	NEW MEXICO OIL	CONSERVATION COMMISSION	Form C 104
	SANTA FE		FOR ALLOWABLE	Form C-104 Supersedes Old C-104 and C-11
	FILE		AND	Effective 1-1-65
	U.S.G.S.	_ AUTHORIZATION TO TRA	ANSPORT OIL AND NATURAL (	SAS
	LAND OFFICE	_		
	TRANSPORTER OIL			
	GAS	_		
	OPERATOR	_		
I.	PRORATION OFFICE Operator			
	DEPCO, Inc.			
	Address			
	1000 Petroleum Buildin	ng Denver, CO 80202		
	Reason(s) for filing (Check proper bo		Other (Please explain)	
	New Well X	Change in Transporter of:		
	Recompletion	Oil Dry Go	as 🗍	
	Change in Ownership	Casinghead Gas Conde	nsate	
	If change of ownership give name and address of previous owner			
	and address of previous owner			
11.	DESCRIPTION OF WELL AND	LEASE		
	Lease Name		ame, Including Formation	Kind of Lease
	Burns Federal	lM Basi	n Dakota	Sieje, Federal modes
	Location	•		
	Unit Letter I; 14	90 Feet From The South Lir	ne and 730 Feet From	The East
	Line of Section 5 To	wnship 26N Range	7W, NMPM, Rio	Arriba County
III.		TER OF OIL AND NATURAL GA	NS.	
	Name of Authorized Transporter of Oi	1 or Condensate X	Address (Give address to which approx	ped copy of this form is to be sent)
	Plateau Inc.		501 Airport Drive, F	armington, NM 87401
	Name of Authorized Transporter of Co	<u> </u>	Address (Give address to which approx	ped copy of this form is to be sent)
	Gas Company of New Me	xico	Box 1692, Albuquerque,	NM 87103
	If well produces oil or liquids,	Unit Sec. Twp. Rge.	Is gas actually connected? Whe	en .
	give location of tanks.	I 5 26N 7W	No	
	If this production is commingled w	ith that from any other lease or pool,	give commingling order number:	_
IV.	COMPLETION DATA			
	Designate Type of Completi	on - (X) Gas Well	New Well Workover Deepen	Plug Back   Same Res'v. Diff. Res'v.
		X	X	1
	Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
	6-26-80	10-6-80	6912' KB	6830' KB
	Elevations (DF, RKB, RT, GR, etc.)	1	Top Oil/Gas Pay	Tubing Depth
	6067' GR, 6080' KB	Dakota	6556' КВ	6756' KB
		41 F21 CCOF C7021 C70F	201	Depth Casing Shoe
	0330-02 , 6604-10 , 66	41-52', 6685-6703', 6725-		6888' KB
	HOLE SIZE	CASING & TUBING SIZE	D CEMENTING RECORD	T
	12-1/4"	8-5/8"	DEPTH SET	SACKS CEMENT
	7-7/8"	5-1/2"	307' KB	200 sx
	7 7/0	1-1/2"	6888' KB	1150 sx (3-stage)
		1-1/2	6756 KB	ļ.
			<u> </u>	<u> </u>
V.	TEST DATA AND REQUEST F	UR ALLOWABLE (Test must be a able for this de	fter recovery of total volume of load oil ( pth or be for full 24 hours)	and must be equal to or exceed top allow-
	Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lif	i, etc.)
	Length of Test	Tubing Pressure	Casing Pressure	Cycke Size
				I NOVYANA I
	Actual Prod. During Test	Oil-Bbis.	Water-Bbls.	GOVER CON. COM
				CON. COM
	<u>'</u>		•	DIST. 3
	GAS WELL			
	Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
	747	3 hr	_	_
	Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size
	Back Pressure	48 psig	Behind Pkr	3/4"
VI.	CERTIFICATE OF COMPLIAN	CE	OIL CONSERVA	TION COMMISSION
			NOV 14 19	20
	I hereby certify that the rules and	regulations of the Oil Conservation		
	Commission have been complied	with and that the information given	Original Signed by FRAM	ik T. Chavez
	above is true and complete to the	e best of my knowledge and belief.	SUPERVISOR DISTRIC	
			SUPERVISOR DISTRIC	
	$\sim \sim $			
	Mm X XX	4444	This form is to be filed in o	•
	(Sian	ature)		able for a newly drilled or deepened. nied by a tabulation of the deviation.
	, <del>-</del>	·	tests taken on the well in accord	dance with RULE 111.
	Production Superintende	ent - Southern Rockies		at be filled out completely for allow-
	•	,	able on new and recompleted we	
	November 11, 1980	ate)		III, and VI for changes of owner, er, or other such change of condition.
	12	•	!	be filed for each pool in multiply
			· · · · · · · · · · · · · · · · · · ·	

NO. OF COPIES RECI	EIVED	i	
DISTRIBUTIO	ON		
SANTA FE			
FILE	·	-	
U.S.G.S.			
LAND OFFICE			
IRANSPORTER			
THANS! ON ! ER			
OPERATOR			
PRORATION OF	ICE		
Operator	•		

10

	SANTA FE	1		FOR ALLOWABL		Form C-104 Supersedes Old C-104 and C-1
	U.S.G.S.	411711001747		AND		Effective 1-1-65
	LAND OFFICE	AUTHORIZAT	ION TO TRA	NSPORT OIL AN	D NATURAL C	GAS
	I RANSPORTER OIL	1				
	GAS	]				•
	OPERATOR					
I.	PRORATION OFFICE Operator					
	DEPCO, Inc.					
	Address					
	1000 Petroleum Buildin	ng Denver,	CO 80202	•		
	Reason(s) for filing (Check proper box	)		Other (Ple	ase explain)	
	New Well X	Change in Transpo	orter of:			
	Recompletion	0:1	Dry Ga	77		
	Change in Ownership	Casinghead Gas	Conden	sate		
	If change of ownership give name					
	and address of previous owner					
11.	DESCRIPTION OF WELL AND					
	Lease Name	i _	_	ne, Including Formatio	n	Kind of Lease
	Burns Federal	11	M Blanc	o Mesaverde		XXXX Federal XXXXX
	Unit Letter I ; 149	90 Feet From The	South	e and 730		- Fork
	Unit Letter 1 ; 14-	Feet From The	SOUCH Line	e and	Feet From 1	The <u>East</u>
	Line of Section 5 Tov	wnship 26N	Range	7W , NM	IPM, Rio A	rriba County
III.	DESIGNATION OF TRANSPORT	<del></del>			ss to which approv	ved copy of this form is to be sent)
	Plateau Inc.		- <u>LA</u> J			rmington, NM 87401
	Name of Authorized Transporter of Cas	singhead Gas or D	ry Gas 🔀			ved copy of this form is to be sent)
	El Paso Natural Gas Co	ompany	<u> </u>	P. O. Box ]	1492, El Pa	so, TX 79978
	If well produces oil or liquids,	Unit   Sec.   Tw	p. P.ge.	Is gas actually connected? When		
	give location of tanks.	I   5   20	6n ¦ 7w	No		<u> </u>
	If this production is commingled with	th that from any other l	lease or pool,	give commingling or	der number:	
IV.	COMPLETION DATA	Oil Well	Gas Well	New Well Workove	er Deepen	Plug Back   Same Res'v. Diff. Res'v.
	Designate Type of Completion	pn = (X)	. x	x		
	Date Spudded	Date Compl. Ready to F	Prod.	Total Depth		P.B.T.D.
	6-26-80	10-6-80		6912' K	<b>B</b>	6830' KB
	Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Form		Top Oil/Gas Pay		Tubing Depth
	6067' GR, 6080' KB	Point Lookou	ut	4504' KE	}	4555 KB Depth Casing Shoe
	4504'-30'; 4562-80' K	CB				6888' KB
			CASING, AND	CEMENTING REC	ORD	
	HOLE SIZE	CASING & TUBI	ING SIZE	DEPTH	SET	SACKS CEMENT
	12-1/4"	8-5/8"		307' KE		200 sx
	7-7/8"	5-1/2" 1-1/4"		6888' KE		1150 sx (3-stage)
		1 1/4		4555 KE	,	
V.	TEST DATA AND REQUEST FO	OR ALLOWABLE (	(Test must be af	ter recovery of total v	olume of load oil	and must be equal to or exceed top allow
• •	OIL WELL			pth or be for full 24 ho	oura)	
	Date First New Oil Run To Tanks	Date of Test		Producing Method (F	low, pump, gas lij	
	Length of Test	Tubing Pressure		Casing Pressure	<del></del>	Choke Size 2
						Vous 40
	Actual Prod. During Test	Oil-Bbls.	, <sub> </sub> , -	Water-Bbls.	*	Gas-MCF 7500
						I may
	GAS WELL Actual Prod. Test-MCF/D	Length of Test		Bbls. Condensate/M		Gravity of Condensate
	1154	3 hr		_	MOI	Gravity of Condensate
	Testing Method (pitot, back pr.)	Tubing Pressure		Casing Pressure	······································	Choke Size
	Back pressure	81 psig		470 psig	I	3/4"
VI.	CERTIFICATE OF COMPLIANO	CE		OIL	_ CONSERVA	TION COMMISSION
		•			NOV 24	13.0
	I hereby certify that the rules and r			APPROVED	al Signed by CHA	
	Commission have been complied wabove is true and complete to the	viin and that the infor best of my knowledg	mation given ge and belief.	BY	a signed by CRA	WELL OHOLDON
			5	TITLE DEPT	TY OIL & GAC II	NSPECTOR, DIST. #3
				ŀ		
	Min X X			1		compliance with RULE 1104.
	(Signo	ature)		well, this form m	nust be accompan	vable for a newly drilled or deepened nied by a tabulation of the deviation
	Production Superintende	•	Rockies	tests taken on th	he well in accor	dance with RULE 111.
	(Ti			All sections able on new and	or this form mu- recompleted we	st be filled out completely for allow- lis.
	November 11, 1980			1		, III, and VI for changes of owner,

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

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

#### OIL CONSERVATION DIVISION

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

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

Form C-107 key1sed 10-1-78

All distances must be from the cuter houndaries of the Section.

Cperator Lease					Well No.		
DEPCO INCO	DRPORATED		BURNS-FEDERAL			1-M	
Unit Letter	Section	Township	Range	County		-	
I	5	26N	7W	Rio	Arriba		
Actual Footage Lo	cation of Well:						
1490	Teet nom the	South line and	730	feet from the	East	line	
Ground Level Elev.		_	Pool	_	Dedi	cated Acreage:	
6067	Mesave	erde	Blanco Mesa	averde		321.45 Acres	
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.  2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and roughly)							
interest and royalty).  3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling.etc?  Yes No If answer is "yes," type of consolidation							
this form No allowa	if necessary.) able will be assign	ed to the well until al	l interests have be	een consolidate	ed (by communi	tization, unitization,	
	1				CE	RTIFICATION	
	;   		:	ederal #1 ⊙	I hereby certify tained herein i	y that the information con- s true and complete to the mediae and belief.	
	<del> </del>	Sec.	161145 Ac		Name W. F. Schwing Position Production Company DEPCO, Inc Date 4-30-80	Superintenden <b>t</b>	
		5	Unstable-Clif Rock Fall	₹ 730'	shown on this notes of actua under my supe	ify that the well location plat was plotted from field all surveys made by me or raision, and that the same correct to the best of my belief.	
	Wich so	Largo	Canyon	1490'		1980 Silly Essigned Englishers  Report	

ORDER NO. MC-2336

#### ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 112-A, Depco, Inc. made application to the New Mexico Oil Conservation Division on October 20, 1980, for permission to dually complete its
Burns Federal No. 1M located in Unit I of Section 5, Township
26 North, Range 7 West, NMPM, Rio Arriba County, New Mexico,
in such a manner as to permit production of gas from the Point
Lookout formation and the Dakota formation.

Now, on this 20th day of November, 1980, the Division Director finds:

- 1. That application has been filed under the provisions of Rule 112-A of the Division's Rules and Regulations;
- That satisfactory information has been provided that all operators of offset acreage have been duly notified;
- That no objections have been received within the waiting period as prescribed by said rule;
- That the proposed dual completion will not cause waste nor impair correlative rights; and
- 5. That the mechanics of the proposed dual completion are feasible and consonant with good conservation practices.

#### IT IS THEREFORE ORDERED:

That the applicant herein, Depco, Inc., be and the same is hereby authorized to dually complete its Burns Federal No. 1M located in Unit I of Section 5, Township 26 North, Range 7 West, NMPM, Rio Arriba County, New Mexico, in such a manner as to permit production of gas from the Point Lookout formation and the Dakota formation through parallel strings of tubing.

#### PROVIDED HOWEVER

That applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A.

PROVIDED FURTHER, That applicant shall take packer-leakage tests upon completion and annually thereafter.

IT IS FURTHER ORDERED: That jurisdiction of this cause is hereby retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

> STATE OF NEW MEXICO OIL CONSERVATION DIVISION

JOE D. RAMEY Division Director

OIL COM. COM. DIST. 3

SEAL

## OIL CONSERVATION COMMISSION Other DISTRICT

OIL CONSERVATION COMMISSION BOX 2088	DATE October 21,1980
SANTA FE, NEW MEXICO	RE: Proposed MC 🗡
	Proposed DHC
	Proposed NSL
	Proposed SWD
	Proposed WFX
	Proposed PMX
	·
Gentlemen:	
<u> </u>	1 .
I have examined the application dated	tobe 20 1980
	1.4
for the Deper Inc. Brown Seden	17M I-5-76N-7W
Operator Lease and Wel	1 No. Unit, S-T-R
1	·
and my recommendations are as follows:	
Approx	
1199	
	Voure were truly
	Yours very truly,
	Yours very truly,

## NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO APPLICATION FOR MULTIPLE COMPLETION

Operator		County	Date	Date	
DEPCO, Inc.		Rio Arriba	Sep	September 26, 1980	
Address		Lease		Well No.	
1000 Petroleum BldgDenv	er, CO 80202	Burns Federal	lM		
Location Unit Sec	tion	Township	Range		
of Well I	5	26N		7W	
1. Has the New Mexico Oil Conservation approximately zones within one mile of the subject 2. If answer is yes, identify one such in Natural Gas Company	nstance: Order No. DO	; 755 ; Operator L	ease, and Well N	o.: El Paso	
3. The following facts are submitted:	Upper Zone	Interme Zon		Lower Zone	
a. Name of Pool and Formation	Point Lookout		· · · · · · · · · · · · · · · · · · ·	Dakota	
b. Top and Bottom of					
Pay Section	4504' - 80'			6556' - 6796'	
(Perforations)	Gas			Gas	
c. Type of production (Oil or Gas)					
d. Method of Production (Flowing or Artificial Lift)	Flowing			Flowing	
4. The following are attached. (Please					
of operators of all le  c. Waivers consenting tors have been furni	ases offsetting applicant to such multiple comple shed copies of the appl well or other acceptab ruch log is not available on which this well is l 010 First City N	tion from each offset operator lication.*  the log with tops and bottoms at the time application is file located together with their corrected together with the corrected together with the corrected together with their corrected together with the corrected together with the corrected together with the cor	of producing zoned it shall be sub		
Ladd Petroleum Corp 83	O Denver Club Bi	ldg Denver, CO 8	30202		
Bolin Oil Co., 1120 Oi	l & Gas Building	g Wichita Falls, 1	rx 77301 <sub>00</sub>	720 <sub>1980</sub>	
6. Were all operators listed in Item 5 date of such notification Septe	mber 26, 1980	<u> </u>			
CERTIFICATE: I, the undersigned	, state that I am the Di	st. Prod. Supt.	of the <u>DE</u>	PCO, Inc.	
under my supervision and direction and		m authorized by said company f	iplete to the best	t; and that this report was prepare of my knowledge.	

Signature

<sup>\*</sup>Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

### DIAGRAMMATIC SKETCH OF DUAL GAS COMPLETION BURNS FEDERAL # 1-M

8 5/8"-24# K55 CSG LANDED @ 307' KB. CMT W/200 SX REG, CLASS"B", 3% CACL2

POINT LOOKOUT PERFORATIONS - 2 JSPF

4504'-30'

11/4"-2.4#-V55 EUE TBG ✓ LANDED @ 4555¹

4562'-80

CMT. 2ND STAGE THRU DV TOOL @ 4666'KB W/100 SX 65/35 POZMIX, 12% GEL, 12 1/2# GILSONITE/SK. FOLLOWED BY 200 SX 50/50 POZMIX, 2% GEL, 1/4 # FLOCELE/SK.

CMT. 3 RD STAGE THRU DV TOOL @ 3381' KB W/270 SX 65/35 POZMIX, 12% GEL, 12 1/2# GILSONITE/SK, FOLLOWED BY 230 SX 50/50 POZMIX, 2% GEL, 1/4# FLOCELE/SK.

#### FORMATION TOPS:

OJO ALAMO -	1193'
PICTURED CLIFFS -	2202'
CHACRA -	3103'
CLIFF HOUSE -	3900'
POINT LOOKOUT -	4496'
GALLUP -	5595'
GALLEGOS -	5848'
GREENHORN	6440'
GRANEROS	6550
DAKOTA -	6640

#### CALCULATED CEMENT TOPS:

IST STAGE - 5145' KB 2ND STAGE - 3641' KB 3RD STAGE - 1703' KB

6604'-10'

@4730'KB

6556'-62'

DAKOTA PERFORATIONS - 2JSPF

BAKER MODEL "R" PACKER SET

GRANEROS PERFORATIONS-2JSPF

6641'-52'

6685'-6703'

6725'- 30'

11/2"- 2.9# - WP 55 EUE TBG LANDED @ 6756'KB

6765'-96'

77/8 HOLE TO 6900' TD

51/2"-15.5#-K55 CSG LANDED @ 6888' KB.CMT 1 st. STAGE W/150 SX 65/35 POZMIX, 12%GEL, 12 1/2# GILSONITE/SK, FOLLOWED BY 200 SX CLASS "B" REGULAR.

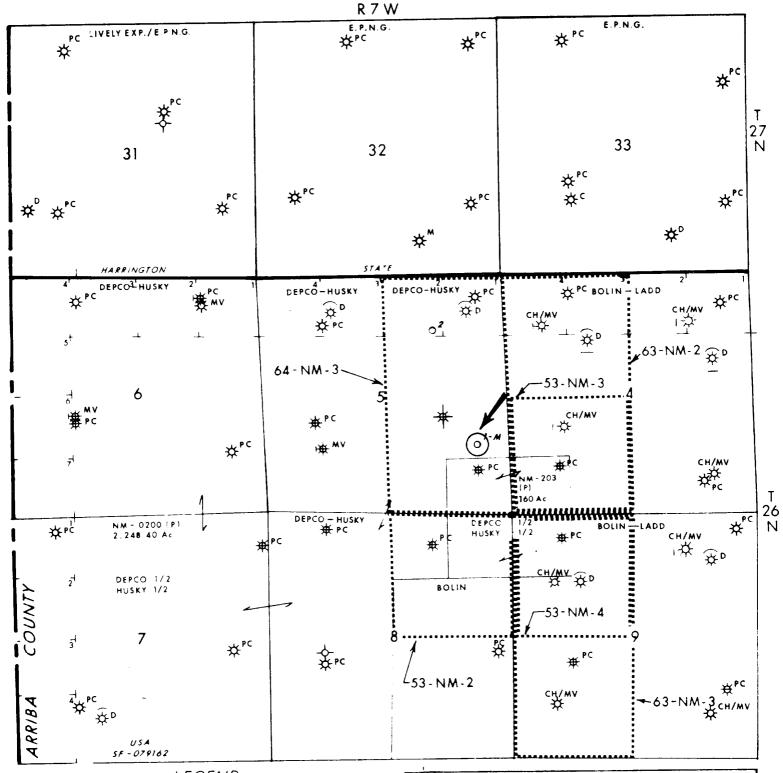
#### DEPCO INC.

1000 PETROLEUM BUILDING DENVER, COLORADO 80202

APPLICATION FOR DUAL GAS COMPLETION

BURNS FEDERAL #1-M

NE/4 - SE/4 SEC. 5 T-26-N R-7-W RIO ARRIBA COUNTY, N.M.



#### <u>LEGEND</u>

PC-PICTURED CLIFFS

CH- CHACRA

MV - MESAVERDE

D - DAKOTA

G-GRANEROS

#### DEPCO INC.

1000 PETROLEUM BUILDING DENVER, COLORADO 80202

APPLICATION FOR DUAL GAS COMPLETION

POINT LOOKOUT / DAKOTA BURNS FEDERAL NO. 7- M NE/4 - SE/4 Sec. 5 T-26-N R-7-W RIO ARRIBA COUNTY, N.M Certified Mail No. 887950

## DEPCO, Inc.

#### **PRODUCTION & EXPLORATION**

September 26, 1980

Lively Exploration Company 1010 First City National Bank Building Houston, Texas 77002

RE: Burns Federal No. 1M
NE/4 - SE/4, Sec. 5-T26N-R7W
Rio Arriba County, New Mexico

#### Gentlemen:

DEPCO, Inc. proposes to dually complete the subject well in the Dakota and MesaVerde formations. In compliance with New Mexico Oil Conservation Division rules and regulations, a copy of the application for Multiple Completion is enclosed together with a plat showing the location and producing zones as well as the operator of all wells located on offset leases; a diagrammatic sketch of the proposed completion; and a copy of Administrative Order NSL-1189 non-standard location approval.

As an offset operator to the subject well, it is requested that if you have no objection to this dual completion, you indicate your consent by signing and returning the attached copy of this letter in the enclosed self-addressed envelope.

Very truly yours,

W. F. Schwenn

WFS: jz

We hereby consent to the dual completion of the Burns Federal No. 1M well as proposed in DEPCO, Inc's Application for Multiple Completion dated September 26, 1980.

By:			
Title			
Date:			

## No387950

#### - RECEIPT FOR CERTIFIED MAIL

#### NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL

(See Reverse)

	Lively Exploration Company						
	Lively Exploration Company STREET AND NO.  1010 First City Natl Bank Bldg DO STATE AND 718 FORE						
	P.O., STATE AND ZIP CODE HONSTon, TX 77002						
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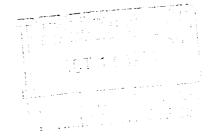
Form	<ul> <li>SENDER: Complete items 1, 2, and 3.</li> <li>Add your address in the "RETURN reverse.</li> </ul>	TO" space on
Form 3811, Apr. 1977 RETU	1. The following service is requested (check of Show to whom and date delivered  Show to whom, date, and address of delivered and the structed belivered  RESTRICTED DELIVERY Show to whom and date delivered  RESTRICTED DELIVERY Show to whom, date, and address of delivered  (CONSULT POSTMASTER FOR FEES)	¢ very¢
RETURN RECEIPT, REGISTERED	2. ARTICLE ADDRESSED TO: Lively Exploration Company 1010 First City National Bank Houston, TX 77002	BILg
T, REGIST	3. ARTICLE DESCRIPTION: REGISTERED NO.   CERTIFIED NO.   INS	SURED NO.
Я	(Always obtain signature of addressee or	agent)
ED, INSURED AND	I have received the article described above.  SIGNATURE Addressee Auth	orized agent
D AND CERTIFIED	5. ADDRESS(Complete on the requested)	STMARK
ED MAIL	6. UNABLE TO DELIVER BECAUSE:	CLERK'S INITIALS

☆GP0: 1977 – 0 – 249-595

## RECEIVED

OCT 1 6 1980

Certified Mail 887949 No.



## DEPCO, Inc.

#### PRODUCTION & EXPLORATION

September 26, 1980



El Paso Natural Gas Company P. O. Box 990 87401 Farmington, New Mexico

> RE: Burns Federal No. 1M NE/4 - SE/4, Sec. 5-T26N-R7W Rio Arriba County, New Mexico

#### Gentlemen:

DEPCO, Inc. proposes to dually complete the subject well in the Dakota and MesaVerde formations. In compliance with New Mexico Oil Conservation Division rules and regulations, a copy of the application for Multiple Completion is enclosed together with a plat showing the location and producing zones as well as the operator of all wells located on offset leases; a diagrammatic sketch of the proposed completion; and a copy of Administrative Order NSL-1189 non-standard location approval.

As an offset operator to the subject well, it is requested that if you have no objection to this dual completion, you indicate your consent by signing and returning the attached copy of this letter in the enclosed self-addressed envelope.

W. F. Schwenn

WFS:jz

We hereby consent to the dual completion of the Burns Federal No. 1M well as proposed in DEPCO, Inc's Application for Multiple Completion dated September 26, 1980

## No887949

#### RECEIPT FOR CERTIFIED MAIL

#### NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL

(See Reverse)

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FORM SOLL, Apr. 1977 RETU	Show to whom and date delivered ¢
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, REGISTER	REGISTERED NO.   CERTIFIED NO.   INSURED NO.
R	
ED, INSURED	I have received the article described above.  SIGNATURE
AND	DATE OF DELIVERY  O-10-PU  DOSTMARK
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## RECEIVED

Certified Mail
No. 887951

OCT 06 1980

### DEPCO, Inc.

#### **PRODUCTION & EXPLORATION**

September 26, 1980

Ladd Petroleum Corporation 830 Denver Club Building Denver, Colorado 80202

RE: Burns Federal No. 1M

NE/4 - SE/4, Sec. 5-T26N-R7W

Rio Arriba County, New Mexico

#### Gentlemen:

DEPCO, Inc. proposes to dually complete the subject well in the Dakota and MesaVerde formations. In compliance with New Mexico Oil Conservation Division rules and regulations, a copy of the application for Multiple Completion is enclosed together with a plat showing the location and producing zones as well as the operator of all wells located on offset leases; a diagrammatic sketch of the proposed completion; and a copy of Administrative Order NSL-1189 non-standard location approval.

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very truth yours

W. F. Schwenn

WFS:jz

We hereby consent to the dual completion of the Burns Federal No. 1M well as proposed in DEPCO, Inc's Application for Multiple Completion dated September 26, 1980.

By: John E. Stein Title mgs. of Operations Date: 10-2-80

## NoS87951 · `

#### RECEIPT FOR CERTIFIED MAIL

#### NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL

(See Reverse)

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orm.	<ul> <li>SENDER: Complete items 1, 2, and 3.</li> <li>Add your address in the "RETURN TO" space on reverse.</li> </ul>							
1. The following service is requested (check one).  Show to whom and date delivered.  Show to whom, date, and address of delivery.  RESTRICTED DELIVERY Show to whom and date delivered.  RESTRICTED DELIVERY								
RETURN RECEIPT, RE	2. ARTICLE ADDRESSED TO: Ladd Petrokum B30 Denver Club Bldg. Penver, co Bozo =							
T, REGIST	3. ARTICLE DESCRIPTION: REGISTERED NO.   CERTIFIED NO.   INSURED NO.   887951							
ER	(Always obtain signature of addressee or agent)							
GISTERED, INSURED AND CERTIF	(Always obtain signature of addressee or agent)  I have received the article described above. Prod. Dept SIGNATURE Addressee Authorized agent  Authorized agent  DATE OF DELIVERY POSTMARK  5. ADDRESS(Complete only if requested)							
	I have received the article described above. Prod. Dept SIGNATURE Addressee Authorized agent  DATE OF DELIVERY POSTMARK.							

Certified Mail
No. 887971

## DEPCO, Inc.

#### **PRODUCTION & EXPLORATION**

September 26, 1980

Bolin Oil Company 1120 Oil and Gas Building Wichita Falls, Texas 76301

RE: Burns Federal No. lM
NE/4 - SE/4, Sec. 5-T26N-R7W
Rio Arriba County, New Mexico

#### Gentlemen:

DEPCO, Inc. proposes to dually complete the subject well in the Dakota and MesaVerde formations. In compliance with New Mexico Oil Conservation Division rules and regulations, a copy of the application for Multiple Completion is enclosed together with a plat showing the location and producing zones as well as the operator of all wells located on offset leases; a diagrammatic sketch of the proposed completion; and a copy of Administrative Order NSL-1189 non-standard location approval.

As an offset operator to the subject well, it is requested that if you have no objection to this dual completion, you indicate your consent by signing and returning the attached copy of this letter in the enclosed self-addressed envelope.

Very truly yours,

W. F. Schwenn

WFS:jz

We hereby consent to the dual completion of the Burns Federal No. 1M well as proposed in DEPCO, Inc's Application for Multiple Completion dated September 26, 1980.

By:	 _
Title	
Date:	

#### N092/2/1

#### RECEIPT FOR CERTIFIED MAIL

#### NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL

(See Reverse)

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PS Form	<ul> <li>SENDER: Complete items 1, 2, and 3.         Add your address in the "RETURN TO" space on reverse.     </li> </ul>
PS Form 3811, Apr. 1977 RETURN	1. The following service is requested (check one).  Show to whom and date delivered
RN RECEI	2. ARTICLE ADDRESSED TO: Bolin Oil Company 1120 Oil +Gas Bldg wighter Falls, Tr. 76301
PT, REGIS	3. ARTICLE DESCRIPTION: REGISTERED NO.   CERTIFIED NO.   INSURED NO.    887971
TER	(Always obtain signature of addressee or agent)
RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL	I have received the article described above.  SIGNATURE Addressee Authorized agent  DATE OF DELWERY  DATE OF DELWERY  DATE OF DELWERY  S. ADDRESS(Complete only if requested)  1980  GLERK'S INITIALS
MAIL	



#### STATE OF NEW MEXICO

### ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING GOVERNOR LARRY KEHOE SECRETARY May 19, 1980

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

F. P. Crum, Jr. P. O. Box 400 Aztec, New Mexico 87410

Administrative Order NSL-1189

Dear Mr. Crum:

Reference is made to your application on behalf of Depco, Inc. for approval of a non-standard location for their Burns Federal Well No. 1-E to be located 730 feet from the East line and 1490 feet from the South line of Section 5, Township 26 North, Range 7 West, NMPM, Basin Dakota and Undesignated Chacra Pools, Rio Arriba County, New Mexico.

By authority granted me under the provisions of Rule 3 of Order No. R-1670 and Rule 104 F of the Division Rules and Regulations, the above-described unorthodox location is hereby approved.

Sincerely

JOE D. RAMEY

Director

JDR/RLS/dr

cc: Oil Conservation Division - Aztec

Oil & Gas Engineering Committee - Hobbs

U. S. Geological Survey - Farmington

## ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 112-A, Depco, Inc. made application to the New Mexico Oil Conservation Division on October 20, 1980, for permission to dually complete its Burns Federal No. 1M located in Unit I of Section 5, Township 26 North, Range 7 West, NMPM, Rio Arriba County, New Mexico, in such a manner as to permit production of gas from the Point Lookout formation and the Dakota formation.

Now, on this 20th day of November, 1980, the Division Director finds:

- That application has been filed under the provisions of Rule 112-A of the Division's Rules and Regulations;
- 2. That satisfactory information has been provided that all operators of offset acreage have been duly notified;
- That no objections have been received within the waiting period as prescribed by said rule;
- 4. That the proposed dual completion will not cause waste nor impair correlative rights; and
- 5. That the mechanics of the proposed dual completion are feasible and consonant with good conservation practices.

#### IT IS THEREFORE ORDERED:

That the applicant herein, Depco, Inc., be and the same is hereby authorized to dually complete its Burns Federal No. 1M located in Unit I of Section 5, Township 26 North, Range 7 West, NMPM, Rio Arriba County, New Mexico, in such a manner as to permit production of gas from the Point Lookout formation and the Dakota formation through parallel strings of tubing.

#### PROVIDED HOWEVER

That applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A.

PROVIDED FURTHER, That applicant shall take packer-leakage tests upon completion and annually thereafter.

IT IS FURTHER ORDERED: That jurisdiction of this cause is hereby retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

JOE D. RAMEY/ Division Director

JUN 1 1981 OIL CON. COM. DIST. 3

SEAL

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

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	GAS		
OPERATOR			
PRORATION OF	FICE		L

(Date)

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

REQUEST FOR ALLOWABLE

1.	OPERATOR PRORATION OFFICE Operator	AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS							
	DEPCO, Inc.								
	Address 1000 Petroleum Building	Denver	CO 80202						
	Reason(s) for filing (Check proper box		, CO 80202		Other (Please	explain)			<del></del> -
	New Well	•	n Transporter of:						
	Recompletion Change in Ownership	Oil Casinghe	Dry Go						
	Cridings in Ownership						<del></del>	<del></del>	
	If change of ownership give name and address of previous owner				- · · · · · · · · · · · · · · · · · · ·	<u>.                                    </u>			
II.	DESCRIPTION OF WELL AND		Pool Name, Including F	ormation		Kind of Lease			Lease No.
	Burns Federal	1M	Blanco Mesaver	de		<b>SXXXX</b> Federal	XXXXX		SF079162
	Location Unit Letter I : 149	∩ Feet Fro	m The South Lir	ne and	730	Feet From T	'heE.	ast	
	Line of Section 5 Tox	waship 26	N 8	7W	NI (D) (	Pio	Arriba		C
	Line of Section 5 Tov	waship 26	N Range	7 W	, NMPM,	RIO	ALLIDA	<del></del>	County
п.	DESIGNATION OF TRANSPORT	TER OF OIL		s					
	Name of Authorized Transporter of Oil	or C	ondensate 🔯	, , .	Give address to	• • •		•	be sent)
	Gary Energy Corp.  Name of Authorized Transporter of Cas	inghead Gas	or Dry Gas [X]X	Address (	Box 489, E	which approv	ed copy of thi	1413 is form is to	be sent)
	El Paso Natural Gas Co			1	Box 990,				
	If well produces oil or liquids,	Unit Sec		1 .	ually connected	1? Whe			·
	give location of tanks.		5   26N   7W	<u> </u>	les		2-16-	81	
	If this production is commingled wit COMPLETION DATA	h that from an	y other lease or pool,	give comm	ingling order	number:			
٧.	Designate Type of Completion		oil Well Gas Well	New Well	Workover	Deepen	Plug Back	Same Restv	. Diff. Res'v.
		Date Compl. F	leady to Bred	Total Dep	1 1		P.B.T.D.		<u></u>
	Date Spudded	Date Compi. I	leddy to Piba.	, olai bep	•••				
	Elevations (DF, RKB, RT, GR, etc.)	Name of Produ	icing Formation	Top OII/G	as Pay		Tubing Dept	h	
	Perforations						Depth Casin	g Shoe	
			UBING, CASING, AND	CEMENT	ING RECORD	· <del>-</del> -	l	<del></del>	·· ··-
	HOLE SIZE		& TUBING SIZE	CEMENT	DEPTH SET		SA	CKS CEME	NT
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				<del> </del>	· · · · · · · · · · · · · · · · · · ·				
	TEST DATA AND REQUEST FO	R ALLOWA	BLE (Test must be a) able for this de			of load oil	nd must be eq	ual to or exc	eed top allow-
ĺ	Date First New Oil Run To Tanks	Date of Test		Producing	Method (Flow,	111 3 TH	etc.)		,
ļ	A section of Trees	Tubing Pressu		Casine Pu	1 Page 11 Page 12 Page	M - 10	Choke Size		
	Length of Test			6		.084			
1	Actual Prod. During Test	Oil-Bbls.		Wate Lapi	SEP 2 h	NO.W	Gas - MCF		
Į				1 120	CO	14. Di			
	GAS WELL				Oll Co	51.3			
	Actual Prod. Test-MCF/D	Length of Test		Bbis. Cond	lensate/MMCY	•	Gravity of C	ondensate	
ŀ	Testing Method (pitat, back pr.)	Tubing Pressu	re (Shut-in )	Casing Pre	sswe (Shut-i	.a)	Choke Size		
<u>.</u> L	CERTIFICATE OF COMPLIANC	E			OIL CO	NSERVATI	ON DIVIS	ION	
•• `		_				N	NAVI	1984	
1	I hereby certify that the rules and re Division have been complied with	gulations of t	the Oil Conservation	APPRO	VED	- 17	<del>~</del>	<u> </u>	
1	pove is true and complete to the	best of my k	nowledge and belief.	BY	<u>`</u>	Janky	- San 2	<del>/</del>	
		TITLE.		<u> </u>	ERVISOR DIST	JCT #, 3			
				Thi	s form is to b	e filed in co	ompliance w	ith RULE 1	1104.
	Www J. Delu	seus.			nis is a reque	for allows	hie for a ne	wiv drilled	or deepened
-	(Signal	•		tests tal	ken on the we	il in accord	ance with A	IULE III.	
_	Production Superintenden		n Rockies	All	sections of th	his form mus	t be filled o	ut complete	ly for allow-
	September 18, 1984			able on new and recompleted wells.  Fill out only Sections I. II. III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.					
-	Date (Date )	e)		well nam	e or number,	or transports	r, or other su	ich change	or condition.

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

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

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DISTRIBUTE	DM		
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U.S.G.S.			
LAND OFFICE			
TRANSPORTER	ē	<u> </u>	
	GAS		
OPERATOR			
PRODATION OFF	ICE		

September 18, 1984

(Date)

REQUEST FOR ALLOWABLE

1.	OPERATOR PROPATION OFFICE		AND SPORT OIL AND NATURAL GAS	
	Operator DEPCO, Inc.			
	Address			
	1000 Petroleum Building Reason(s) for filing (Check proper box		Other (Please explain)	
	New Well	Change in Transporter of: Oil Dry G		
	Recompletion Change in Ownership	<b>—</b>	ensate X	
	If change of ownership give name and address of previous owner			
II.	DESCRIPTION OF WELL AND	LEASE   Well No.   Pool Name, Including F	Formation Kind of Leas	Lease No.
	Burns Federal	lM Basin Dako	ta XXXXX Feder	SF079162
	Unit Letter I : 1490	Feet From The South Lin	ne and 730 Feet From	The East
	Line of Section 5 To	waship 26N Range 7	W , NMPM, Rio	Arriba County
П.	DESIGNATION OF TRANSPOR	TER OF OIL AND NATURAL GA	AS Address (Give address to which appro	oved copy of this form is to be sent)
	Gary Energy Corp.	_	P. O. Box 489, Bloomfie	
	Name of Authorized Transporter of Ca Gas Company of New Me		Address (Give address to which appropriately Box 1692, Albuquerque,	
	If well produces oil or liquids,	Unit Sec. Twp. Rge.	<u> </u>	nen
	give location of tanks.	1 5 26N 7W	Yes	8-21-81
v.	If this production is commingled win COMPLETION DATA	th that from any other lease or pool,	New Well Workover Deepen	Plug Back Same Res'v. Diff. Res'v.
	Designate Type of Completion			
	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			Depth Casing Shoe
			CEMENTING RECORD	SACKS CEMENT
	HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
		<u> </u>		
٧.	TEST DATA AND REQUEST F	OR ALLOWABLE (Test must be a able for this de	pth or be for full 24 hours)	and must be equal to or exceed top allow-
	Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, Park de la	ift, etc.)
	Length of Test	Tubing Pressure	Conting Brokery	Choke Size
	Actual Prod. During Test	Oil-Bbis.	SEP 2 4 1980 ON.	Gas-MCF
ı	GAS WELL		OIL CON. 3	
	Actual Prod. Test-MCF/D	Length of Test	Bbis. Condensate/MeCF	Gravity of Condensate
ŀ	Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
ı.	CERTIFICATE OF COMPLIANCE	CE	OIL CONSERVA	TION DIVISION
	I hereby certify that the rules and r	egulations of the Oil Conservation	APPROVED	19
	Division have been complied with above is true and complete to the	and that the information given best of my knowledge and belief.	BYSUPERVISO	OR DISTRICT # B
	<u> </u>		TITLE	
	or Le XI	wenn ~	If this is a request for allow	compliance with RULE 1104.  wable for a newly drilled or deepened inied by a tabulation of the deviation
-	(	nture)	tests taken on the well in accor	rdance with RULE 111.
	Production Superintender	st_Couthorn Dockies	A31 ===================================	at be filled out completely for allow-

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

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

#### STATE OF NEW MEXICO ENERGY MINERALS DEPARTMENT

HOT AND WHITE	ANGEL C	CF	4711
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BANTA PE			
FILE			
V.S.G.S.			
LAND OFFICE			
TRANSPORTER	OIL		
	BAS		
OPERATOR			
2200 AT101 AT1	-		

1

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

Form C-104 Revised 10-1-78	
RECEIVED	
SEP1 4 1988	
OIL COVI	

	TRANSPORTER DIL BAS	REQUEST AUTHORIZATION TO TR	FOR ALLOWABLE AND ANSPORT OIL AND NAT	URAL GAS	OIL COM. DRV		
1.	Operation OFFICE				Day DAV		
	DEKALB Energy Co	mpany					
	110 16th Street, Reason(s) for filing (Check proper b	, Suite 1000, Denver, Co	Olorado 80202				
	New Well	Change in Transporter of:	As of 9,	/6/88 DEP	CO, Inc. will begin		
	Recompletion Change in Ownership	_ <del>75</del>	ry Gas 🔲 operatii	ng under <sup>.</sup> Energy Cor	the name		
	If change of ownership give name		<del></del> -		npany		
	and address of previous owner	DEFCO, INC. (addres	s - same as above	)			
11.	DESCRIPTION OF WELL AND	Well No. Pool Name, Include	ng Formation	Kind of Leas	<b>1</b>		
	Burns Federal	1M Blanco Mesa	Verde	外外, Feder	Legse W		
	Unit Letter I : 1	1490 Feet From The South	Line and 730	Feet From	The East		
		Township 26N Range	7W . NMPI		Inniha		
				a, KIU F	ATTIDA Count		
ш.	Name of Authorized Transporter of O		Address (Give address		ved copy of this form is to be sent)		
	Gary Refining Company Name of Authorized Transporter of C	Casinghead Gas or Dry Gas [X]	Gary Community	/ Rural St	tation, Fruita, CO 81521 ved copy of this form is to be sent)		
	El Paso Natural Gas		P.O. Box 1492,	, El Paso,	TX 79978		
	If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rec. I 5 26N 7	W YES		en .		
(MV )	If this production is commingled w	rith that from any other lease or po	ol, give commingling orde	r number:			
۱.,	COMPLETION DATA  Designate Type of Completi	ion - (X)	l New Well Workover	Deepen	Plug Back   Same Res'v. Diff. Res		
	Dene Spudded	Date Compl. Ready to Prod.	Total Depth	<u></u>	P.B.T.D.		
	Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	<del></del>	Tubing Depth		
ĺ	Perforations				Depth Casing Shoe		
F	HOLE SIZE	TUBING, CASING, A	AND CEMENTING RECOR				
ŀ	NOCE SIZE	CASING & LOBING SIZE	DEPINSI	<u> </u>	SACKS CEMENT		
-				<u> </u>			
9	rest data and request f oil well	able for this	depth or be for full 24 hours	<i>)</i>	and must be equal to or exceed top allo		
'	Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow	, pump, gas lift	i, etc.)		
Ī	Length of Test	Tubing Pressure	Cosing Pressure	-	Choke Size		
7	Actual Prod. During Test	Oil-Bbls.	Water - Bble.	<del></del>	Gas - MCF		
_							
_	Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF		Gravity of Condensate		
L							
	Feeting Method (pitot, back pr.)	Tubing Pressure (shut-in)	Cosing Pressure (Shut-	18)	Choke Size		
ı. C	ERTIFICATE OF COMPLIANC	CE	OIL CC	NSERVATI	ON DIVISION 1989		
1 1	hereby certify that the rules and re	egulations of the Oil Conservation	ABBROVER	MAN UU	, 19		
Di	vision have been complied with love is true and complete to the	and that the information given best of my knowledge and belief.		1) Gh			
			TITLE SUPER	VISION DI	STRICT # 3		
	Shu Shuli	•	17		mpliance with RULE 1104. ble for a newly drilled or deepene		
	Signal (Signal		well, this form must	be accompani	ole for a newly drilled or deepens.  ed by a tabulation of the deviation  ance with RULE 111.		
.—(	District Production Su			his form must	be filled out completely for allow		
	September 12, 1988	(*)	Fill out only Se	ctions I. II.	III, and VI for changes of owner, or other such change of condition		

## DISTRIBUTION SANTA PE FILE U.S. --. er cerite bittings U.S.G.S. LAND OFFICE

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

(S)	ECEIVE	D
n/n	SEP1 41988	Second.

REQUEST FOR ALLOWABLE

1.	OPERATOR PROMATION OFFICE Operator	AUTHORI	ZATION	TO TRAN	RANSPORT OIL AND NATURAL GAS OIL CON. DIV						
	DEKALB Energy Com	pany									
	Address 110 16th Street,	Suite 1000	. Denv	er. Colo	rado 8	0202					
	Reason(s) for filing (Check proper box					Other (Please		0, Inc.	will begir	)	
	Recompletion	Oil		Dry (		operating DEKALB E			.,		
	Change in Ownership	Casinghea		<u></u>	ensate	<del>.</del>	iergy com	ipany	<del></del>		
	If change of ownership give name and address of previous owner	DEPCO, Ir	nc. (a	address	- same	as above)			<u></u>		
11	DESCRIPTION OF WELL AND	LEASE   Well No.	Pool Name	e, including	Formation		Kind of Leas	•	<del></del>	Lease No	
	Burns Federal	1M	Basin	Dakota			ЖЖХ, Federa	1 36249634		079162	
	Unit Letter I : 149	O Feet From	The S	outh_L	ine and	730	Feet From "	rhe Eas	st		
	Line of Section 5 To	wnship 261	٧	Range	7W	, NMPM,	Ri	o Arriba		County	
п.	DESIGNATION OF TRANSPORT	TER OF OIL			AS						
	Name of Authorized Transporter of Oil Gary Refining Company	arca	ndensate	LXI	1		• •	•••	<i>is form is to be</i> ruita, CO		
	Name of Authorized Transporter of Car		or Dry	Gas X	Address (	Give address to	which approv	red copy of th	is form is to be	sent)	
	Gas Company of New Mexi	Unit Sec.	Twp.	Rge.		Box 26400,			87125		
	If well produces oil or liquids, give location of tanks.	I 5	20	6N 7W		YES		<del> </del>	<del></del>		
۱V.	If this production is commingled with COMPLETION DATA		other le	ase or pool,	give comm		number:	Plug Bock	Same Restv. L	W// Bool	
	Designate Type of Completion		W W W W W W W W W W W W W W W W W W W	l das wen		, worloves	l .	l but but	Same rive v.	MILL NOS	
	Date Spudded	Date Compl. Re	ady to Pro	od.	Total Dep	oth		P.B.T.D.			
	Elevations (DF, RKB, RT, GR, etc.)	Name of Produc	ing Forma	nion	Top Oil/C	Gas Pay		Tubing Dept	h		
	Perforations				······································			Depth Casin	g Shoe		
,		TU	BING, C	ASING, AN	D CEMENT	ING RECORD	)	<u> </u>			
	HOLE SIZE	CASING (	TUBIN	G SIZE		DEPTH SE	T	SA	CKS CEMENT		
									··.		
			· · · · · · · · · · · · · · · · · · ·	<del>-</del>						<del></del>	
	TEST DATA AND REQUEST FO	OR ALLOWAB				y of total volum r full 24 hours)	e of load oil a	ind must be eq	ual to or exceed	top ello	
İ	OIL WELL Date First New Oil Run To Tanks	Date of Test		ise jor since or		Method (Flow,	pump, gas life	i, etc.j			
	Length of Test	Tubing Pressure	<del></del>	<del></del>	Casing Pr	essure :		Choke Size			
}	Actual Prod. During Test	Oil-Bbls.			Water - Bbl		<del> </del>	Gas - MCF	<del> </del>	<del></del>	
Į					<u> </u>	<del></del>		<u> </u>			
_	GAS WELL Actual Prod. Test-MCF/D	Length of Test			Bhie Com	densate/MMCF		Gravity of C	ondenagte		
	Actual Pros. 1001-MCF/D		. <u>.</u>					·			
ſ	Testing Method (pitot, back pr.)	Tubing Pressure	(Shut-L	<b>-</b> }	Casing Pre	esewe (Sbut-i	lm)	Choke Size			
I. •	CERTIFICATE OF COMPLIANC	E				OIL CO	NSERVATI		ON		
I	hereby certify that the rules and re	gulations of the	Oll Co	nservation	APPRO	VED	MAR 06	<u> 1989                                   </u>	, 19		
	Division have been complied with bove is true and complete to the	and that the in	formation	n given	BY	3	N) Q				
			•		TITLE.		VISION D	- •	, <u>-</u>		
	Ala Mili	,							th RULE 1104 wly drilled or		
_	Signat					his is a reque is form must b ken on the pe	A ACCOMPAN	ied by a tab	ilation of the	deviatic	
	pistrict Production Sup		t		A11	sections of the	is form must	t be filled or	it completely f	or allow	
_	September 12, 1988					out only Se	ctions 1. II.	III. and VI	for changes of c	of owner condition	

Submit 5 Copies
Appropriate District Office
DISTRICT 1
P.O. Box 1980, Hobbs, NM 88240

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

#### State of New Mexico Energy, Minerals and Natural Resources Department

Form C-104 Revised 1-1-89 See Instructions at Bottom of Page

## OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION

		O TRA	NSP	ORT	OILA	ITAN DN	JRA	L GAS	Well AP	l No.		
nuor Duis Dreyfus Natural Ga	as Cor	D.								039-2239	93	
								7010				
000 Quail Springs Park	cway,	Suite	600 -	0k	lahor	na City,	OK. (Pleas	/ 313	)			
son(s) for Filing (Check proper box)		Change in	Transpo	rter of	f:		(,					
Well	Oil		Dry Ga									
ompletion Grant Company of the Compa	Casinghea	d Gas	Conde							80202		
ange of operator give name didress of previous operator	B Ener	gy Com	pany		1625	Broadwa	у -	Denve	er, co	80202		
DESCRIPTION OF WELL A	ND LE	ASE									1 10	se No.
ISE Name		Well No.				g Formation			Kind of	ederal BESEK	1	79162
Burns Federal		1-M	B1.	anco	, Me	sa Verde						
zation T	. 149	90	Gast E	own T	he S	outh Line	and _	730	Fee	t From The	East	Line
Unit LetterI			_ 1		7W				o Arrib	a		County
Section 5 Township	261	<u> </u>	Range		/ W	, NM	IPM,					
DESIGNATION OF TRANS	PORT	ER OF O	IL A	ND N	ATUE	AL GAS		<del></del>		of this fo	- is to be se	mt)
me of Authorized Transporter of Oil		or Conde	D ESTE	X		Address (Give	addre Minn	us IO WAI <del>mitu</del>	ch approved Rural S	tation	<del>ruit</del> a C	0 81521
ary Refining Energy			or Dr	y Gas	<u>~</u>	Address (Give	adar	ess to whi	ch approved	copy of this fo	orm is to be se	nt)
me of Authorized Transporter of Casing	nesa Uss	لـــا	0	, 0		P.O. Bo	ox 1	492,	El Paso	, TX 79	9978	
well produces oil or liquids,	Unit	Sec.	Twp.			le gas actually	com	ected?	When	7		
e location of tanks.	I	5	261		7W	Yes	er:					
his production is commingled with that f	rom any o	Thet lease o	r poor, g	gre u	vision&.						. <del></del>	him n. du
		Oil We	:11	Gas	Well	New Well	Wor	kover	Deepen	Plug Back	Same Res'v	Diff Res'v
Designate Type of Completion	- (X)	1 2 - 4"				Total Depth	<u>ا</u>		l	P.B.T.D.	<u> </u>	
ate Spudded	Date Co	mpl. Ready	ID FIOU	•		,						
evations (DF, RKB, RT, GR, etc.)	Name of	Producing	Formati	Oß		Top Oil/Gas	Pay			Tubing Dep	oth	
	<u> </u>									Depth Casi	ng Shoe	
erforations												
		TUBING	G, CA	SINC	AND	CEMENTI	NG I	RECOR	D		CACKE CEL	/ENT
HOLE SIZE		ASING &	TUBIN	G SIZ	E		DEF	TH SET			SACKS CEN	AENI
						<del> </del>						
'. TEST DATA AND REQUE OIL WELL (Test must be after	ST FOR	ALLO	VABL	E		u ha agual 10 0	r exce	ed top al	lowable for t	his depth or b	e for full 24 ho	ours.)
OIL WELL (Test must be after	Date of		me of to	04 04	and mus	Producing N	dethod	(Flow, p	ump, gas lýt	elc.)	EGE	WF
Date First New Oil Run To Tank	Date of	ica								Choke Siz		g V G
Length of Test	Tubing	Pressure				Casing Pres	भार			Cilordo		1992
	ļ					Water - Bb	£.			Gas- MCI		
Actual Prod. During Test	Oil - B	DIS.										1 DIA
GAS WELL											ict	<u> </u>
Actual Prod. Test - MCF/D	Length	of Test	<del></del>			Bbls. Cond	ensile	MMCF		Gravity o	Condensate	
			PE-Min			Casing Pre	saure (	(Shut-in)		Choke Si	2e	
Testing Method (pitot, back pr.)	Tubing	g Pressure (	Saut-us)	•								
VI. OPERATOR CERTIFI	CATE	OF CO	MPL.	IAN	CE				MICED	VATION	N DIVIS	ION
I hamby conify that the rules and res	rulations o	f the Oil Co	mservali	100			Ol		אסבח	VALIO	1 01110	
Division have been complied with an is true and complete to the best of m	nd that the	INTOLLINATION	i Boaca :	above		n-	۸ ۸	nnra	nd.		NOV -	2 1992
is true and complete to the best of m	y kaowieo	.Re and nes	-1.			ll Da	ue A	/ppro/	/eu			1
Vanne T	.As	mi				By	,			3.	1) 6	Then!
Signature	<del></del>			. 1						SUP	ERVISOR	DISTRICT
Ronnie K. Irani Printed Name		Vice	Ţ	ide 1dei	<del>1</del>	Tit	le_					3.37 NICT
					~ ^							
October 16, 1992		(405)	749 Teleph	<u>-13(</u>	00	·						

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.

Submit 5 Copies
Appropriate District Office
DISTRICT 1
P.O. Box 1980, Hobbs, NM 88240

#### State of New Mexico Energy, Minerals and Natural Resources Department

Form C-104 Revised 1-1-89 See Instructions at Bottom of Page

## OIL CONSERVATION DIVISION

P.O. Box 2088

STRICT II D. Drawer DD, Artesia, NM 88210	ç	Santa Fo	P.O. Box e, New Mex	.2088 ico 87504	-2088				
STRICT III XV Rio Brazos Rd., Aztec, NM 87410	REQUEST I					ATION			
	TOTE	RANSE	ORT OIL	AND NAT	URAL GA	.5			
		1/11/01	0111			11011 741		2202	
<del>entor</del> Louis Dreyfus Natural	Gas Corp.						0-039-22	2393	
				0:4	OV 73	134			
dress 14000 Quail Springs Pa	rkway, Suit	e 600	) - Oklaho	oma City	(Please expla				
ason(s) for Filing (Check proper box)				Outer	() teme exha-	,			
w Well	Oil	in Trans	i I						
scompletion	Carinehead Gas	Cond	lensate 🛴						
hange in Operator LA  thange of operator give name DEKA	ALB Energy (	Compar	ny - 162	5 Broadw	ay - Der	nver, CO	80202		
address of previous operator	LB Ellergy	ООМРИ	·						
. DESCRIPTION OF WELL	AND LEASE		N. Industra	- Formation		Kind of I	.esse		se Na.
ease Name	Well N	No. Pool	Name, Includin Basin Da	akota		SINK Fo	derai d <b>i Kö</b> t	SF-079	9162
Burns Federal		L							
ocatios	1490	<b></b>	From The S	outh line	and 730	Feet	From The	East	Line
Unit Letter	-:	Feat	From the						C
Section 5 Township	o 26N	Ran	ge 7	W W	IPM, Ric	Arriba			County
5000									
I. DESIGNATION OF TRAN	SPORTER OF	OILA	ND NATU	Address (Giv	e address to w	hich approved c	opy of this for	m is to be ser	u)
lame of Authorized Transporter of Oil		nden mie	X	Gary C	<del>ommunity</del>	<u>Rural St</u>	ation,	Fruita	0 8132
Gary Refining Company lams of Authorized Transporter of Casin	cheed Gas		Ory Gas X	10:		List someoned c	now of this fo	rm is to be ser	년)
Gas Company of New Me	xico	_				, Albuque			
well produces oil or liquids,	Unit Sec.	Tw	•	la gas actuali		When?			
ve location of tanks.	I 5		6N 7W	Yes					
this production is commingled with that	from any other leas	se or pool	, give commung	ing order num	DCI				
V. COMPLETION DATA			Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Designate Type of Completion		Well	( Cas well			<u>i                                    </u>		L	J
	Date Compl. Res	ady to Pro	d.	Total Depth			P.B.T.D.		
Date Spudded		•					<b></b>		
Elevations (DF, RKB, RT, GR, etc.)	Name of Product	ing Form	ation	Top Oil/Gas	ray		Tubing Dep	ui	
							Depth Casin	g Shoe	
Perforations									
	TUR	ING C	ASING AND	CEMENT	ING RECO	RD			
NO. E OLZE	CASING	A TUBI	NG SIZE		DEPTH SE	Τ	ļ	SACKS CEN	IENT
HOLE SIZE	- OADING						<del> </del>		
							<del></del>		
		73117 A B	) F				1		
V. TEST DATA AND REQUI	EST FOR ALL r recovery of total v	OWAL	DEE Tood oil and my	si be equal to	or exceed top	allowable for the	s depth or be	for full 24 ho	ws.)
OIL WELL (Test must be after	Date of Test	rotaria by	1000	Producing	Method (Flow	, pump, gas lýl,	eic.)		
Date First New Oil Run To Tank	Date of Ica		_				Choke Siz	<u> </u>	
Leagth of Test	Tubing Pressur	re		Casing Pre	SELICE				•,
League of the				Water - Bi			Gas- MCF		31
Actual Prod. During Test	Oil - Bbls.			ATEL - DI	/I <b>S</b> -		:		- 1
								9	
GAS WELL				I Bala Com	dentate/MMC	F , s	Gravity o	Condensus	
Actual Prod. Test - MCF/D	Length of Test	4		Bols. Con	OSTIBLIAN LABOR	•		an American	_ جسادهشادمن
		/Chief	(a)	Casing Pr	essure (Shut-in	n)	Choke Si	ze	
Testing Method (puot, back pr.)	Tubing Pressu	ne (2007-	ш,						
			LIANCE	1		01:075	/AT!^	ו הואוכ	ION
VI. OPERATOR CERTIF	ICATEOFC		TIVIACE		OIL C	ONSER\		א חואוֹס	ION
I hereby certify that the rules and r Division have been complied with	empletions of the Ot	ij Conserv	ALUOU .				NO	V - 219	92
Division have been complied with is the and complete to the best of	my knowledge and	belief.		D	ate Appro	oved		~	
٦ ( )	1				1-1		7		
Vannie 1.	Frani			-    B	/		3.i.l.		<u>~</u>
Signature	***	iaa D-	resident		,	;	SUPERVI	SOR DIS	TRICT #
Ronnie K. Irani Printed Name	V	rce Pl	Title	_    Ti	tle				
Living Lane		, A = > -	740 1200	- 11 ''	-				

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

October 16, 1992

Date

- 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.

749-1300

Telephone No.

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

## STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

#### OIL CONSERVATION DIVISION

Page 1 Revised 10/01/78

This form is not to be used for reporting packer leakage tests in Southeast New Mexico

### NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

tion 'ell: Unit <u> </u>	Sec57	wp. 26N	Rge	7 W	Count	y <u>Rio Arriba</u>
	NAME OF RESERVO		TYPE OF PI (Oil or Ge	NOD.	METHOD OF PROD. (Flow or Art. LHI)	PROD, MEDIUM (Tbg. or Ceg.)
w Blan	co Mesa Ve	rde	gas	f1	.ow	tbg
or otton Basi	n Dakota		gas	f1	. O W	tbg
		PRE-FLO	W SHUT-IN P		Λ	tabilized? (Yes or No)
Hour, date		Length of time shu	t-In '	81 press. psig 4 2 7	*	yes
Hour, date 6/12	shut-in	3 days Length of time shu 3 days	t-in	SI press. psig 517	s	yes
			FLOW TEST	NO. 1		
enced at (hour, d	ete) *				(Upper or Lower): $1$	ower
TIME	LAPSED TIME	PRES		PROD. ZONE		REMARKS
(hour, date)	SINCE	Upper Completion	Lower Completion	TEMP.		
15/94	l day	427	305	<u> </u>		
16/94	2 days	427	260			· · · · · · · · · · · · · · · · · · ·
				<del> </del>		
						· · · · · · · · · · · · · · · · · · ·
	during test					
luction rate		D based on	Bbls. i	in Ho	ours G	frav GOR
: 149					eter): <u>meter</u>	
		мпо-т	EST SHUT-IN	PRESSURE DA	TA	
	e shut-in	- Length of time al	nut-in	Si press. psig		Stabilized? (Yes or No)
pper poletion		1		L.		Stabilited? (Yes or No)

DECENTED JUL 1 8 1994

(Continue on reverse side)

OIL COM. DIV. Dist. 3 FLOW TEST NO. 2

Commenced at (hour, da	(e) 中中		Zone producing (Upper or Lower):							
TIME	LAPSED TIME	PAE	SURE							
(hour, date)	SINCE **	Upper Completion	Lewer Completion	PROD. ZONE TEMP,	REMARKS					
				I EMP.						
	ļ			l						
				}						
	ł									
		· · · · · · · · · · · · · · · · · · ·								
Production rate di	uring test				•					
					•					
Oil:	BOPI	D based on	Bbls. in	Hour	s Grav GOR					
Gas:		МСБ	D: Tested thru	(Orifice or Mere	r):					
		<del>-</del>	_	(Oldice of Mete	.,,					
Remarks:	<del></del>		·							
				<del></del>						
I hereby certify the	at the informatio	n herein containe	ed is true and co-	mmlasa sa sha ha	st of my knowledge.					
• • • • • • • • • • • • • • • • • • • •	111 4 0	1004	d B dde Mid (O	ubiece to me be	st of my knowledge.					
Approved New Mexico Oil	00F 1 0	1774	_19	perator Loui	s Dreyfus Natural Gas					
New Mexico Oil	Conservation D	ivision		~~						
4		$\cdot A A$	T	yLe	ne Sime					
<b>9</b>	partes L.	Tholson	·	•						
By			T	de <u>Prod</u>	uction Foreman					
Title DEPUTY	OIL & GAS INSP	ECTOR, DIST. #3	-	7/10	/0.4					
			D	ate	/94					

#### NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disruibed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.
- At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.
- 3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized, provided however, that they need not remain shut-in more than seven days.
- 4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued for seven days in the case of a gas well and for 24 hours in the case of an oil well. Note: if, on an initial packer leakage test, a gas well is being flowed to the aumosphere due to the lack of a pipeline connection the flow period shall be three hours.
- 3. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.
- Flow Test'No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except

- that the previously produced zone shall remain shut-in while the zone which was previously shut-in is produced.
- 7. Pressures for gas-zone tests must be measured on each zone with a deadweight pressure gauge at time intervals as follows: 3 hours tests: immediately prior to the beginning of each flow-period, at fifteen-minute intervals during the first hour thereof, and at hourly intervals thereafter, including one pressure measurement immediately prior to the conclusion of each flow period. 7-day terms: immediately prior to the beginning of each flow period, at least one time during each flow period (at approximately the midway point) and immediately prior to the conclusion of each flow period. Other pressures may be taken as desired, or may be requested on wells which have previously shown questionable test data.
- 24-hour oil zone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges the accuracy of which must be checked at least twice, once at the beginning and once at the end of each test, with a deadweight pressure gauge. If a well is a gui-oil or an oil-gas dual completion, the recording gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the gas zone.
- 8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the Azter Dutrict Office of the New Messeo Oil Conservation Division on Northwest New Messeo Packer Leakage Test Form Revised 10-01-78 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).

#### District I PO Box 1980, Hobbs, NM 88241-1980 District II

10 Drawer DD, Artesia, NM 88211-0719 District III

1000 Rio Brazos Rd., Axtec, NM \$7410 District IV PO Box 2088, Santa Fe, NM 87504-2088 OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-104 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office 5 Copies

X AMENDED REPORT

•		REQUES	ΤF	OR AI	LOWAB	LE AI	JA DI	JTHORI	ZATI	ON TO TE	RANSP	ORT	•	
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	ъ.	O · · ·	ine i					inted Name	<del></del>	· · · · · ·		Title	Date	-
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## STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

#### OIL CONSERVATION DIVISION

Page 1 Revised 10/01/78

This form is not to be used for reporting packer leakage tests in Southeast New Mexico

#### NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operato		UIS DREYFU	S I	NAT. GAS	CORP Lease	BURN	S FED.		No		
Location of Well:	Unit	I Sec. 5	Twp	26N	Rge	7W		Cou	nty	RIO ARRIBA	
		NAME OF RESERVO	HA OF	POOL	TYPE OF (OII or I			HOD OF PROD	) <b>.</b>	PROD, MEDIUM (Tog. or Cag.)	
Upper Completion	BLA	NCO MESA V	ÆR	DE	GAS		FLO	OW	TBG.		
Lower Completion	BAS	IN DAKOTA			GAS		PLO	OW.		TBG.	
				PRE-FLO	OW SHUT-IN I	PRESSURE	DATA		_		
Upper Completion	Hour, date a	inut-in 2/95		Length of time shu  3 days		81 press. psi	9		Stabilized?	(Yes or No) S	
Lower Completion	Hour, date a	hul-in 2/95		Length of time shu 3 days		81 prees. paig 410	;		\$1abilized?	(Yes or No) S	
					FLOW TEST	NO. 1		<del> </del>	·		
	l at (hour, dat	i		PRESS			ducing (Upper	or Lower):	LOWER		
	ME , dele)	LAPSED TIME SINCE*	Up	per Completion	Lower Completion	PROD.			REA	MARKS	
6/15	/95	1 day		390	280						
6/16	/95	2 days		390	260					,	
								<del></del>			
•								· · · · · · · · · · · · · · · · · · ·	, y ·		
roductio	on rate du	uting test		<del>- : -: </del>		<del>*</del>				<del></del>	
)il:		BOPE	) bas	sed on	Bbls. in	ı	Hours,	G	sav	GOR	
325:	2	27			D; Tested thru			m.c	eter		
					ST SHUT-IN PE	·	•				
Upper empletion	Hour, date sh	out-in	1	ength of time shul-		SI press, peig			Stabilized?	Yes or No)	
	Hour, date sh	ut·in		ength of time shut-	in	SI press, peig	<del></del>		Stabilized? (	Yes or No)	
					·····						

FLOW TEST NO. 2

Commenced at (hour, i	dete) 🕈 🗭		Zone producing (Upper or Lower):					
TIME	LAPSED TIME	PRES	SURE	PROD. ZONE				
(hour, dele)	SINCE **	Upper Completion	Lower Completion	TEMP.	REMARKS			
····				-	· · · · · · · · · · · · · · · · · · ·			
····		<del>                                     </del>		-				
		<u> </u>	1	<u> </u>				
roduction rate	during test							
\*\1	707	<b>1</b>	nu '		G. COR			
711:	BUF	D based on	Bois. in	Hours	Grav GOR			
;as:		мсг	PD: Tested thru	(Orifice or Meter):	· · · · · · · · · · · · · · · · · · ·			
.emarks:		<del></del>						
hereby certify	that the informati	ion herein contain	ed is true and cor	mplete to the best o	of my knowledge.			
	Johnny Rot	unsen		LOUIS	DREYFUS NAT. GAS CORP.			
New Mexico (	oil Conservation I	Division	_ 19 0	perator	· · · · · · · · · · · · · · · · · · ·			
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у	DEBUTY CHI C CA	- Principle of	T	ide				
	DEPUTY OIL & GAS	FINSPECTOR	5	12-27-	-95			
itle			D	ate				

#### NORTHWEST NEW MEDICO PACKER LEAKAGE TEST INSTRUCTIONS

- 1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been duringbed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.
- 2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.
- 3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized, provided however, that they need not remain shut-in more
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- 5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.
- 6. Flow Test'No. 2 shall be conducted even though no leak was indicated during Flow Ten No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except

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- 7. Pressures for gas-zone tests must be measured on each zone with a deadweight pressure gauge at time intervals as follows: 3 hours tests: immediately prior to the beginning of each flow-period, at futcen-minute intervals during the first hour thereof, and at hourly intervals thereafter, including one pressure measurement immediately prior to the conclusion of each flow period. 7-day tests: immediately prior to the beginning of each flow period, at least one time during each flow period (at approximately the midway point) and immediately prior to the conclusion of each flow period. Other pressures may be taken as desired, or may be requested on wells which have previously shown questionable test data.

24-hour oil zone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges the accuracy of which must be checked at least twice, once at the beginning and once at the end of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the recording gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the gas zone.

R. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the Aztec Dutrict Office of the New Mexico Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form Revised 10-01-78, with all deadweight pressures indicated theteon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).

## FIELD PIT SITE ASSESSMENT FORM



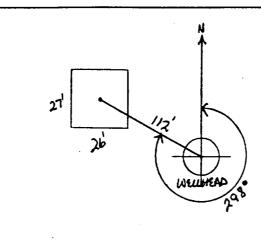
GENERAL	Meter: 93497 Location: BURNS FEDERAL # 1M  Operator #: 0448 Operator Name: burns Dreverus P/L District: BLANCO  Coordinates: Letter: Section _S Township: 26 Range:  Or
SITE ASSESSMENT	NMOCD Zone:  (From NMOCD  Maps)    Inside
$\stackrel{\sim}{\Rightarrow}$ $\Gamma$	Remarks: REDUNE : TOPO SHOW LOCKTOW INSIDE U.Z. THERE ARE TWO PITS ON THIS LOCATION. THE UNUSED DEHY PIT ON THE MY SIDE BELONGS TO EPNG, THE OTHER PIT BELONGS TO THE OPERATOR, WILL CLOSE EPNGS PIT. DIG : HAUL

REMARKS

#### ORIGINAL PIT LOCATION

Original Pit : a) Degrees from North  $298^{\circ}$  Footage from Wellhead  $112^{\circ}$ 

b) Length: 27' Width: 26' Depth: 3'



Remarks	3	:
~		

PHOTOS- 1530

Completed By:

Signature

9.27-95

Date

## FIELD PIT REMEDIATION/CLOSURE FORM

GENERAL	Meter: <u>43497</u> Location: <u>Burus Federal * Im</u> Coordinates: Letter: <u>I</u> Section <u>5</u> Township: <u>26</u> Range: <u>7</u> Or Latitude Longitude  Date Started: <u>10-12-55</u> Run: <u>03</u> <u>72</u>
FIELD OBSERVATIONS	Sample Number(s): MK496  Sample Depth: Feet  Final PID Reading PID Reading Depth Feet  Yes No  Groundwater Encountered
CLOSURE	Remediation Method:  Excavation  Onsite Bioremediation  Backfill Pit Without Excavation  Soil Disposition:  Envirotech  Other Facility  Name:  Pit Closure Date: 10-12-75  Pit Closed By:
REMARKS	Remarks: Arived Oug SERPLE Hole Inital Reading 214 PPM  Soil Brown Slight HYDrocarbon odor Hit Rock 10' Pit  also Had 2 large Rock couldn't Dig out 25 pound Fertilizer
	Signature of Specialist: Morgan Xillian (SP3191) 03/16/94



## FIELD SERVICES LABORATORY ANALYTICAL REPORT

## PIT CLOSURE PROJECT - Soil Samples Inside the GWV Zone

	SAMPLE	IDENTIFICA	TION				
	Field	ID		Lab ID	<del></del> 1		
SAMPLE NUMBER:	MK496			7633			
MTR CODE   SITE NAME:	93497		Burns Federal # 1 M				
SAMPLE DATE   TIME (Hrs):	10-12-	- 95	151	5			
PROJECT:	PhaseI						
DATE OF TPH EXT.   ANAL.:	10-16-96		10.1	lo~			
DATE OF BTEX EXT.   ANAL.:	10/16/95 10/17/95 VC LIGHT BRUSA			7/95	1 1 1 0 K		
TYPE   DESCRIPTION:	VC		LIBHT	YRA) SANA	19 DLett		
Field Remarks:							
		RESULTS					
PARAMETER	RESULT	UNITS	DF	QUALIF	IERS M(g)	V(ml)	
BENZENE	く 0.5	MG/KG					
TOLLIENE	6 0.5	MG/KG					

	RESULT		UNITS		QUALIFIERS			
PARAMETER				DF		Ω	M(g)	V(ml)
BENZENE	<	0.5	MG/KG					
TOLUENE	4	0.5	MG/KG					
ETHYL BENZENE	<	0.5	MG/KG					
TOTAL XYLENES	4_	1.5	MG/KG					
TOTAL BTEX	<	3	MG/KG				ļ	
TPH (418.1)	37	0,1	MG/KG				1.95	28
HEADSPACE PID	1.	3	PPM					
PERCENT SOLIDS	9	5.0	%					

The Surrogate Recovery was at 97% for this sample All QA/QC was acceptable.

Narrative:

DF = Dilution Factor Used

Date: 10-18-95

## STATE OF NEW MEXICO ENERGY and MINERALS DEPARTMENT

#### OIL CONSERVATION DIVISION

Page 1 Revised 10/01/78

This form is not to be used for reporting peaker leakage tests in Southeast New Mexico

#### NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

•	Loui	s Dreyfus 1	Jatural C	ac Lease	Burns Fed	eral V	7ell lo. <u>1-M</u>		
cation Well:	Unit <u>I</u>	Sec. <u>_5</u> T	wp. 26N	Rge	7W	County R	io Arriba		
		NAME OF RESERVO	OR POOL	TYPE OF P (Oil or Q		METHOD OF PROD. (Flow or Art. LIFE)	PROD. MEDIUM (Tbg. or Cog.)		
Upper Completion Blanco Mesa Verde			rde :	gas		flow	tbg		
tewer completion Basin Dakota			qas	<u> </u>	flow	tba			
		· .	PRE-F	LOW SHUT-IN P	RESSURE DATA				
Upper	Hour, dele s	shut-in	Length of time	3 days		Stabilit	Stabilized? (Yes or No)		
notetion	9/14					no Stabiliz	ed? (Yes or No)		
.ower npietion	9/14		3 day		SI press. pelg		Ves		
	9/14	/ 3.1	<u> </u>	FLOW TEST		·			
menced	at (hour, da	ite) *	<u>'</u>	ILOW ILUI	Zone producing (I	ipper of Lemen's			
TI	ME	LAPSED TIME	Pf	PRESSURE			REMARKS		
(hour,	, dete)	SINCE®	Upper Completion	Lewer Completion	TEMP.				
9/17	7/97	1 day	380	145					
9/18	3/97	2 days	380	144		·	·		
			•						
						DEG	BIARD.		
				•			T 2 1 1997		
						0116	CON. DIV.		
		<u></u>				<b>(a)</b>	ાહાઃ જ		
		luring test							
l:		BOPI	) based on	Bbls. is	n Hou	rs Grav.	GOR		
	182				•	ter): _meter			
~. <u> </u>		•		-TEST SHUT-IN P	•				
Upper	Hour, date	shut-in -	Length of time		Si press. pelg		ted? (Yes or No)		
Lower Hour, date shut-in			Length of time	shut-in	St press, paig	Stabilit	Stabilized? (Yes or No)		

(Continue on reverse side)

FLOW TEST\_NO. 2

Commission of place, of	1101 + +			Zano producing (Ja-	ASMARKS			
THE	LAPSED TIME	PREI	NOUNE	PROD. ZOME				
(hour, date)	SINCE **	Upper Completion	Lower Completion	TEMP.	REMARKS			
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roduction rate d								
il:	BOPI	D based on	Bbls. in	House	Grav GOR			
ae.				110413.	Gav GOR			
		——— MCFI	PD: Tested thru	(Orifice or Meter)				
emarks:	·	·	• "					
	•							
			<del>-</del>					
hereby certify th	at the informatio	n herein containe	ed is true and cor	nplete to the best	of my knowledge.			
		1 1997						
New Mexico Oi	Conservation D	+ 1997 ivision	_19 0	perator Louis	Dreyfus Natural Cas			
			B	Mike Rai	nwater			
<b>y</b>	Johnny 6	Polinson						
	D . O	Gas inspector	Ti	de <u>Contract</u>	Operator			
tle	· · · · · · · · · · · · · · · · · · ·	Gas inspector	D:	ate <u>October</u>	14. 1997			
				-				

#### NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

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8. The results of the above-described tests shall be filed in triplicate within 13 days after completion of the test. Tests shall be filed with the Aztec District Office of the New Mexico Oil Conservation Division on Northwest New Mexico Packet Leakage Test Form Revised 10-01-78 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).

District I - P.O. Box 1980, Hobbs, NM

District II P.O. Drawer DD, Artesia, NM 88221

District III 1000 Rio Brazos Rd, Aztes, MW 87410 State of New Mexico
Energy, Minerals and Natural Resources Department

SUBMIT I COPY TO APPROPRIATE DISTRICT OFFICE AND I COPY TO SANTA FE OFFICE

OIL CONSERVATION DIVISION

2040 South Pacheco Street Santa Fe, New Mexico 87505

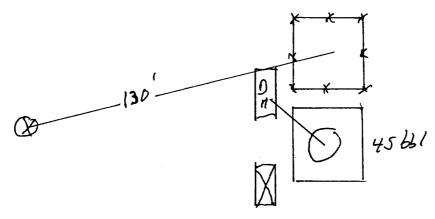
#### PIT REMEDIATION AND CLOSURE REPORT

Operator:	PN	M Gas Services (1	Oreyfus	) T	elephone:	324-3764	1		
Address:	603 W. I	Elm Street Farming	ton, NM 87	401					
Facility or We	ell Name:	Burns Federal #1	М						
Location:	Unit	I	Sec	<u>5</u> T	26 N I	R	County	Rio Arriba	
Pit Type:	Separa	ator	Dehydra	tor <u>V</u>	Othe	r _			<del></del> -
Land Type:	BLM	<u>✓</u> State		Fee	Othe	r -	No		
Pit Location:		Pit dimensions:	length	20 '	width -	20 '	depth	3 '	
(Attach diagran	n)	Reference:	wellhead 5	<u> </u>	other _				<del></del>
		Footage from refere	ence:	130'		·			
		Direction from refe	rence: 70	Degrees	<u> </u>	East	North	<u> </u>	
						West	of South		
Depth to Grou  (Vertical distance from or seasonal high water eleva	ontaminants to	r:		Less than 50 feet to Greater than	o 99 feet			(20 points) (10 points) ( 0 points)	10
water			EIM						
Wellhead Prot		rea: FEP	- 1 1999		Yes No			(20 points) ( 0 points)	0
(Less than 200 feet from domestic water source, of feet from all other water :	r, less than 1,000		ON. E	ración La Companya La Companya				, , ,/	
Distance to Su		ter:	en e ser e de la companya de la companya de la companya de la companya de la companya de la companya de la comp	Less that 200 feet to Greater than				(20 points) (10 points) ( 0 points)	10
ponds, rivers, streams, cr canals and ditches				RANKIN	G SCORE	(TOTAL	POINTS)	:	20

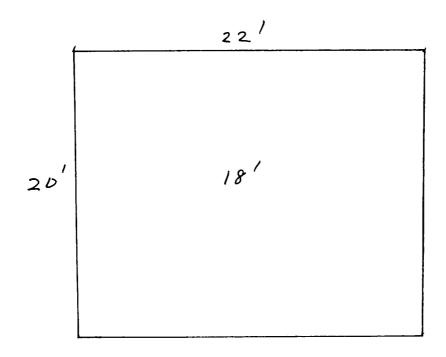
Burns Federal #1M  Date Remediation Started:	6/	/20/97	Date Compl	leted:	6/20/97
Remediation Method:	Excavation	Х	_ Approx. Cub	oic Yard	293
(Check all appropriate	Landfarmed	X	Amount Lar.	ndfarmed (cubic yd	ds)293
sections)	Other 93 cu	u. yds. clean overburden			
Remediation Location: (i.e., landfarmed onsite, name and location of offsite facility)	Onsite		_ Offsite	200 cu. yds Tier	ra Environmental
Backfill Material Location:					
General Description of Rem	edial Action:	· <del>-</del>			
Excavated contaminated soil to 12". Soil was aerated by di	to a pit size of	20' X 22' X 18' and landfari	med soil onsite	within a bermed ar	ea at a depth of 6"
		lysis form, lab analysis and			
	und	, and arranged with			
Ground Water Encountered	d: No	Yes		Depth	
Final Pit Closure Sampling:	Sample Locati	ion 5 pt. composite -	4 side walls and	d center of pit botto	om.
(if multiple samples, attach sample result and diagram of	Sample depth	16' walls and 18' b	ottom.		
sample locations and depths.)	Sample date	6/20/97	Sample	time	1:00:00 PM
	Sample Result	ts		_	
	Benze	ene (ppm) < 0.050	00		
	Total	BTEX (ppm)	6.2960		
	Field h	neadspace (ppm)			
	TPH (ppm)	1620.00 ***	Method	8015A	
Vertical Extent (ft) 32'		Risk Aı	nalysis form atta	ached Yes	No 🗆
Ground Water Sample:	Yes	No 🔽		ee attached Ground y Report)	dwater Site
I HEREBY CERTIFY THA' KNOWLEDGE AND MY B		MATION ABOVE IS TRU	JE AND COMF	PLETE TO THE B	EST OF MY
DATE <b>January 26, 199</b> SIGNATURE MAL	oo uuu Ha	yan_	PRINTED NA AND TITLE	AME Maureen G Project Ma	

Burns Federal #/m Louis Orey Fus Sec. 5, 26N, 7W, I 6-20-97

start of execution:



End of excapation:





OFF: (505) 325-5667

LAB: (505) 325-1556

#### ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

25-Jun-97

Company: PNM Gas Services

COC No.:

5909

Address:

Sample No.:

15052

603 W. Elm

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Burns Federal #1M

**Project Location:** 

9706201300; 4 Walls @ 16' & Bottom @ 18'

Sampled by:

GC

Date: Date:

24-Jun-97

20-Jun-97 Time:

13:00

Analyzed by: Sample Matrix: DC/HR Soil

#### Laboratory Analysis

Parameter	Results as	Unit of	Limit of	Unit of	
	Received	Measure	Quantitation	Measure	
Diesel Range Organics (C10 - C28)	1620	mg/kg	5	mg/kg	

ND - Not Detected at Limit of Quantitation

#### Quality Assurance Report

DRO QC No.: 0548-STD

Continuing Calibration Verification

	ambracion von					
	Method	Unit of	True	Analyzed		RPD
Parameter	Blank	Measure	Value	Value	RPD	Limit
		,				
Diesel Range (C10 - C28)	ND	ppm	200	194	2.8	15%

Matrix Spike

matrix opin					
	1- Percent	2 - Percent			RPD
Parameter	Recovered	Recovered	Limit	RPD	Limit
Diesel Range (C10-C28)	96	97	(70-130)	1 1	20%

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by:
Date: 6/25/97





LAB: (505) 325-1556

#### ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

2-Jul-97

Company: PNM Gas Services

COC No.:

5909

City, State Farmington, NM 87401

Address: 603 W. Elm

Sample No.: Job No.:

15052 2-1000

Project Name:

PNM Gas Services - Burns Federal #1M

**Project Location:** 

Date:

9706201300; 4 Walls @ 16' & Bottom @ 18' 20-Jun-97 Time:

13:00

Sampled by: Analyzed by: GC DC

Date:

28-Jun-97

Sample Matrix:

Soil

#### Laboratory Analysis

Parameter			Unit of Measure	Limit of Quantitation	Unit of Measure
Benzene		ND	ug/kg	50	ug/kg
Toluene		672	ug/kg	50	ug/kg
Ethylbenzene		2898	ug/kg	50	ug/kg
m,p-Xylene		2515	ug/kg	50	ug/kg
o-Xylene		211	ug/kg	50	ug/kg
	TOTAL	6296	ug/kg	_	

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

Approved by:  $\frac{1}{7} \frac{1}{7} \frac{1}{7}$ 



Well Name:

Well Legals:

Pit Type:

Horizontal Distance to Surface Water:

Groundwater Depth:

Burns Federal #1M Unit I, Sec 5, T26N, R7W Dehydrator Greater than 1,000 ft 50 feet to 99 feet

#### **RISK ANALYSIS**

PNM requests closure of the Burns Federal #1M using a limited risk analysis of the site conditions.

- 1. PNM estimated groundwater to be at a depth of 60 ft. based upon elevation of site to the Largo Wash. (Reference: topographic map.)
- 2. This site is not located within 200 ft. of a domestic water well and is not within 1,000 ft. of any other water source.
- 3. Distance from the site to surface water is greater than 1,000 ft.
- 4. PNM excavated 293 cu. yds. from the former pit. Vertical extent was determined using a hollow stem drilling rig. Bedrock was encountered @ 32 ft. below ground surface.

Based upon the information provided above, PNM believes the Burns Federal #1M poses minimal risk to the environment. Subsurface lateral migration is limited based upon PNM's past experience in excavating 800 pits. Source removal minimizes the possibility of surface water contamination. Bedrock/sandstone provides a barrier between remaining contamination and groundwater. Vertical migration through bedrock or sandstone to groundwater is highly unlikely.

OFF: (505) 325-5667



LAB: (505) 325-1556

#### ANALYTICAL REPORT

Attn:

Denver Bearden

Date:

24-Nov-97

Company: PNM Gas Services

COC No.:

5830

Address:

603 W. Elm

Sample No.:

16826

City, State: Farmington, NM 87401

Job No.:

2-1000

Project Name:

PNM Gas Services - Burns Federal #1M

**Project Location:** 

9711111115; 32' depth

Date:

11-Nov-97 Time:

11:15

Sampled by: Analyzed by: GC DC/HR

Date:

18-Nov-97

Sample Matrix:

Soil

#### Laboratory Analysis

Parameter	Results as	Unit of	Limit of	Unit of
	Received	Measure	Quantitation	Measure
Diesel Range Organics (C10 - C28)	ND	mg/kg	5	mg/kg

ND - Not Detected at Limit of Quantitation

#### Quality Assurance Report

DRO QC No.: 0555-STD

Continuing Calibration Verification

Continuing	Method	Unit of	True	Analyzed		RPD
Parameter	Blank Measure		Value	Value	RPD	Limit
Diesel Range (C10 - C28)	ND	ppm	200_	201	0.7	15%

Matrix Spike	<u> </u>					
	1- Percent	2 - Percent			RPD	
Parameter	Recovered Recovered		Limit	RPD	Limit	
Diesel Range (C10-C28)	110	113	(70-130)	2	20%	

Method - SW-846 EPA Method 8015A mod. - Nonhalogenated Volatile Hydrocarbons by Gas Chromatography

Approved by:



OFF: (505) 325-5667

LAB: (505) 325-1556

#### ANALYTICAL REPORT

Attn:

Denver Bearden

Company: PNM Gas Services

Address:

603 W. Elm

City, State: Farmington, NM 87401

PNM Gas Services - Burns Federal #1M

Project Name: Project Location:

GC

9711111115; 32' depth

Date:

11-Nov-97 Time:

11:15

5830

16826

2-1000

Date: 17-Nov-97

COC No.:

Job No.:

Sample No.:

Sampled by: Analyzed by:

DC

Date:

14-Nov-97

Sample Matrix:

Soil

#### Laboratory Analysis

		Results	Unit of	Limit of Quantitation	Unit of Measure	
Parameter		as Received	Measure	Quantitation		
Benzene		ND	ug/kg	1	ug/kg	
Toluene		2	ug/kg	1	ug/kg	
Ethylbenzene		3	ug/kg	1	ug/kg	
m,p-Xylene		71	ug/kg	1	ug/kg	
o-Xylene		20	ug/kg	1	ug/kg	
			,			
	TOTAL	96	ug/kg	J		

ND - Not Detected at Limit of Quantitation

Method - SW-846 EPA Method 8020A Aromatic Volatile Organics by Gas Chromatography

								BOF	RING LOG	3					Page	of	2
LOCAT	TION N	AP:															
		us Fe			•	n			SITE ID: SITE COO N GROUND	ORDINA	ATION	ft.):	E -	TION ID:		900:10	
2.4	2C. S	5,241	N, 7	W, I	ζ				STATE: DRILLING DRILLING	METH	10D: _	En w	1011	Stem			
					_	. <u>.</u>			DATE ST FIELD R COMMEN	EP.: _	. ///	ひ /1つ		COMPL	LETED:		
		1/41		_1/4 5			<u> </u>					····		<del> </del>			
LOCATION DESCRIPTION:  SAMPLE  UTHOLOGIC DESCRIPTION  (UTH., USCS, GRAIN SIZE PROPORTIONS, WET  TO CONST.  USCS FROM TO TO TO BLOW- NUMBER OR COLOR, RNDG., SORT., CONSOL., DIST., FEATURES)													<i>'</i> 57				
P C	WELL ONST.	UTH. 	USCS FROM TO REC COUNT						ABER OR READING	С	OLOR,	RNDG.	SORT.	CONSO	L, DIS	T. FEATL	RES)
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25	']	1000								S	<u>C</u>	SAn	d - c	lay.	m; Xi	live	•
-	1	12	**							1							

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
(505) 334-8178 FAX: (505) 334-6170
http://emnrd.state.nm.us/ocd/District III/3distric.htm

GARY E. JOHNSON Governor

Jennifer A. Salisbury Cabinet Secretary

January 28, 2000

Gene Simer Louis Dreyfus Nat Gas Corp PO Box 370 Carlsbad NM 88221-0370

Re: Burns Federal #1M, I-05-26N-07W API, 30-039-22393

Dear Mr. Simer:

The 1999 Packer Leakage Test on the referenced well does not provide the proper information. In order to comply with Rule 112A, you are here by directed to retest the well to show separation of the zones prior to March 15, 2000. Notify the Aztec OCD in time to witness the test.

Feel free to call me at 334-6178, ext. 16, if I can be of any help.

Sincerely,

Charlie T. Perrin

Deputy O&G Inspector

Charlie T. Lerrin

CTP/mk

CC: CTP

Well File



OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
(506) 334-6178 FAX: (505) 334-6170
http://ibemnird.state.nm.us/ocd/District.ill/3distric.htm

This form is not to be used for reporting packer leakage tests in Southeast New Mexico

Page 1 Revised 11/16/98

# NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Sperator_	Louis Dreyfi	ıs Nat. Gas	Lease Na	ame	<u>Burns Federa</u>	1Well No_ 1-M
						·
JCallOIT 0	i vveii:Onit Lette	rrSec	_5Twp	<u>26N</u> Rge	7W_API#30-0_	39 22393
·	T	<del>-</del>				
	NAME OF RES	ERVOIR OR POOL		OF PROD. or Gas)	METHOD OF P (Flow or Art. L	
Upper Completion	Blanco Mes	sa Verde	gas		flow	tbg.
Lower Completion	Basin Dako	ota	gas		flow	tbg.
		PRE-	FLOW SHUT-	IN PRESSI	IDE DATA	
Upper	Hour, date shut-in		Length of time	shut-in	SI press. Psig	
Completion	9/5/99		3 da		400	Stabilized? (Yes or No)
Lower	Hour, date shut-in		Length of time	shut-in	SI press. Psig	Stabilized? (Yes or No)
Completion	9/5/99		3 da		290	yes
			FLOW T	EST NO. 1		
mmenced at	(hour, date)*				ing (Upper or Lower):	lower
TIME	FRESSUR			PROD. ZO		REMARKS
(hour,date)	SINCE*	Upper Completion	Lower Completion	TEMP.		REWARKS
1/8/99	1 day	400	152			901123
1/9/99	2 days	400	146			<b>A</b> 193
					<u>, , , , , , , , , , , , , , , , , , , </u>	JAN 2000
			·			JAN 2000
						Cast: 3
duction ra	te during test					7707C7VC
		PORD book		<b>-</b>		1. C. 30. ALP
						GravGOR
·	139	MCFP(	D; Tested thru	(Orifice or I	Meter): mete:	r
		MID-T	EST SHUT-IN	PRESSUR	E DATA	
Upper ompletion	Hour, date shut-in		Length of time si	hut-in	SI press psig	Stabilized? (Yes or No)
Lower ompletion	Hour, date shut-in		Length of time sh	hut-in	SI press. psig	Stabilized? (Yes or No.)
			(Continue on r	everse side)	1 m2 - +1	Ctl

FLOW TEST NO. 2

Commence	d at (hour, date)	**		Zone producing (Upper or Lowr):				
TIME (hour,date)	LAPSED TIME Since**	PRESS Upper Completion	URE Lower Completion	PROD. ZONE	REMARKS			
						<del></del>		
	te during test	based on	Bbls.	inHour	sGravG	OR		
			tained is true and	complete to the	bes of my knowledge.			
Approved Mexico Oil	LEDon Division	19	_ Operator_					
			Ву	· · · · ·		<del></del>		
Ву	while I	<del></del>						
Title	Title Date Date							

#### NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.
- At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.
- The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the wellhead pressure in each has stabilized, provided however, that they need not remain shut-in more than seven days.
- 4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued for seven days in the case of a gas well and for 24 hours in the case of an oil well. Note: if, on an initial
- packer leakage lest, a gas well is being flowed to the atmosphere due to the lack of a pipeline connection the flow period shall be three hours.
- 5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.
- Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test no. 2 is to be the same as for Flow Test No. 1 except

- that the previously produced zone shall remain shut-in while the zone which was previously shut-in is produced.
- 7. Pressures for gas-zone tests must be measured on each zone with a deadweight pressure gauge at time intervals as follows: 3 hours tests; immediately prior to the beginning of each flow-period, at lifteen-minute intervals during the first hour thereof, and at hourly intervals thereafter, including one pressure measurement immediately prior to the beginning of each flow period, at least one time during each flow period (at approximately the midway point) and immediately prior to the conclusion of each flow period. Other pressures may be taken as desired, or may be requested on wells which have previously shown questionable test date.
- 24-hour oil zone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges the accuracy of which must be checked at least twice, once at the beginning and once at the end of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the recording gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the gas zone.
- 8. The result's of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the Aztec District Office of the New Mexico oil Conservation Division on northwest new Mexico packer leakage Test Form Revised 11-16-98 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).



OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC NM 87410 (500) 334-4178 FAX: (500) 334-417

(506) 334-6178 FAX: (505) 334-6170 http://emnrd.state.nm.us/ocd/Olstrict III/3distric.htm

This form is not to be used for reporting packer leakage tests in Southeast New Mexico

Page 1 Revised 11/16/98

#### NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator <u>I</u>	ouis Dreyf	us'Natural	<u> </u>	me <u>Burn</u>	s Federal	Well No_ 1- M
ocation of	Well:Unit Letter	ISec	5 Twp 261	N_Rge_7w	API # 30-0	39-22393
	NAME OF RESI	ERVOIR OR POOL	TYPE O	F PROD.	METHOD OF PE	ROD. PROD.MEDIUM
	TO WILL OF FREE			or Gas)	(Flow or Art. L	
Upper Completion	Mesa Verd	e	gas		flow	tbg.
Lower Completion	Dakota		gas		flow	tbg.
		PRE-	-FLOW SHUT-I	N PRESSUR	RE DATA	
Upper	Upper Hour, date shut-in		Length of time		SI press. Psig	Stabilized? (Yes or No)
Completion 2			3 days		320	yes
Lower	Hour, date shut-in	_	Length of time		SI press. Psig	Stabilized? (Yes or No)
Completion	2/18/200	0	3 days		300	yes
			FLOW 1E	ST NO. 1		<del></del>
Commenced at (	hour, date)"			Zone producing	(Upper or Lower):	upper
TIME (hour.date)	LAPSED TIME SINCE*			PROD. ZON	E . :	REMARKS
		Upper Completion	Lower Completion			
/21/00	1 day	320	300			56789
2/22/00	_2 days	128	300		(3)	· • · · · · · · · · · · · · · · · · · ·
2/23/00	3 days	125	300		E .	MAR 2000
7 207 00						RECEIVED =
<del></del>					E.	OILOON. DIV
						DIET. 3
		<u> </u>	-	L		Creation
oduction ra	te during test				•	ES 55 55 15 16 20
il:		BOPD based	l on	Bbls. in	Hours	GravGOR
as:2	252	MCF	PD; Tested thru	(Orifice or M	leter): <u>meter</u>	<del></del>
		MID-	TEST SHUT-IN	I PRESSURI	E DATA	
Upper Completion	Hour, date shut-in		Length of time s		SI press psig	Stabilized? (Yes or No)
Lower Completion	Hour, date shut-in		Length of time s	shut-in	SI press. psig	Stabilized? (Yes or Nn)

FLOW TEST NO. 2

Commence	d at (hour, date)	•		Zone producing (Upper or Lowr):				
TIME	LAPSED TIME	PRESSI	URE	PROD. ZONE	REMARKS			
(hour,date)	Since**	Upper Completion	Lower Completion		REMARKS			
Production ra	te during test	L						
Oil: Gas:	BOPD	based onMCFP	Bbls.	inHour	sGravGOR			
						_		
I hereby certif	v that the inform	nation herein con	tained is true one	d complete to the	bes of my knowledge.	<del>-</del>		
Approved Mexico Oil Con:	MAK - servation Division	7 2000′ <sub>19</sub>	_ Operator_	Louis D	newfus	_ New		
<b>ORIGIN</b> A	L SIGNED BY CH	ARLIE T. PERMIN	By M	Li Ram	ولأن			
Dy			Title					
Title	OIL & GAS INSP	ECTOR, DEST.	Date3/	17/2000		_		

#### NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

- 1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.
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- 24-hour oil zone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges the accuracy of which must be checked at least twice, once at the beginning and once at the end of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the recording gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the gas zone.
- 8. The result's of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the Aztec District Office of the New Mexico oil Conservation Division on northwest new Mexico packer leakage Test Form Revised 11-16-98 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).



ATTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC NM 87410 ONSERVATION DIVISION

DEC 3 1 1998 (506) 334-6178 FAX: (505) 334-6170 http://emnrd.state.nm.us/ocd/District III/3distric.htm

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OIL CON. DIV.

Page 1 Revised 11/16/98

# NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator <u>I</u>	ouis Dreyf	us'Nat. Ga	sLease Nai	meBur	ns Fed.	Well No <sup>1-M</sup>
ocation of	Well:Unit Letter	·ISec	5_Twp_26	<u> N Rge 7</u>	<u>₩</u> AP <b>I # 30-0</b> <u>39-22</u>	393
	NAME OF RESE	ERVOIR OR POOL		F PROD. or Gas)	METHOD OF PROD. (Flow or Art. Lift)	PROD.MEDIUM (Tbg. or Csg.)
Upper Completion	Blanco M	. V .	gas	5	flow	tbg.
Lower Completion	Basin Dal	cota	gas	5	flow	tbg.
		PRE	-FLOW SHUT-I	N PRESSUE	PE DATA	
Upper Completion	Hour, date shut-in 7/5/98	Length of time 3 day	shut-in	SI press. Psig 330	Stabilized? (Yes or No)	
Lower Completion	Hour, date shut-in 7/5/98	Hour, date shut-in		shut-in 7 S	SI press. Psig 290	Stabilized? (Yes or No)  yes
				ST NO. 1	<u> </u>	1 -
ommenced at	hour, date)*			Zone producing	(Upper or Lower): 10We1	
ਿੋਅ≝ (hour,date)	LAPSED TIME	PRES	SURE	PROD. ZON	E	REMARKS
(nour,date)	SINCE*	Upper Completion	Lower Completion	TEMP.		
7/8/98	1 day	380	152			
7/9/98	2 days	385	146			
oduction ra	te during test					
l:		BOPD based	l on	Bbls. in	HoursGra	avGOR
s:1	29	MCFF	PD; Tested thru	(Orifice or M	leter):meter	
		MID-	TEST SHUT-IN	PRESSUR	EDATA	
Upper Completion	Hour, date shut-in		Length of time s	hut-in	SI press psig	Stabilized? (Yes or No)
Lower	Hour, date shut-in Leng			hut-in	SI press. psig	Stabilized? (Yes or No)

#### FLOW TEST NO. 2

Commence	d at (hour, date)	••		Zone producing (Upper or Lowr):			
TIME (hour,date)	LAPSED TIME Since**	PRESS Upper Completion	URE Lower Completion	PROD. ZONE	REMARKS		
						<del></del>	
Oil: Gas:	te during test	based onMCFP	Bbls. D:Tested thru (O	inHours	sGravGOR	_	
Approved_ Mexico Oil Cons	servation Division	1998 19_	_ Operator_ ByMil	Louis Drey		_ New	
	OIL & GAS INSPE	CTOR, DIST #F	<del></del>	eptember 1,			

# NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

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- Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.
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- 24-hour oil zone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges the accuracy of which must be checked at least twice, once at the beginning and once at the end of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the recording gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the gas zone.
- 8. The result s of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the Aztec District Office of the New Mexico oil Conservation Division on northwest new Mexico packer leakage Test Form Revised 11-16-98 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).



OIL CONSERVATION DIVISION ATTEC DISTRICT OFFICE 1000 RIO BRAZOS ROAD AZTEC NM 87410

(506) 334-6176 FAX: (505) 334-6170 http://emnrd.state.nm.us/ocd/District III/3distric.htm

This form is not to be used for reporting packer leakage tests in Southeast New Mexico

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#### NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator_L	ouis Dreyfu	s Natural (	<sup>Sa S</sup> Lease Nar	me <u>Burr</u>	ns Federal		Well No1-M
Location of	Well:Unit Letter	Sec_ <u>_5</u>	Twp <u>26</u>	<u>N_</u> Rge <u>7</u> V	<u>√</u> API#30-0	39-22	393
	NAME OF RESE	RVOIR OR POOL		F PROD. or Gas)	METHOD OF (Flow or Ar		PROD.MEDIUM (Tbg. or Csg.)
Upper Completion	Mesa Verd	gas		flow		tbg.	
Lower Completion	Dakota		gas	<u> </u>	flow		tbg.
		PRE-F	LOW SHUT-	N PRESSUR	RE DATA		
Upper Completion	Upper Hour, date shut-in			shut-in 'S	SI press. Psig 325		Stabilized 7 (Yes or No) Yes
Lower Completion	Hour, date shut-in 11/26/2000		Length of time 3 day		SI press, Psig 300		Stabilized? (Yes or No) Yes
<del></del>			FLOW TE	ST NO. 1	N ::		
Commenced at	(hour, date)*	<del></del>	<del> </del>	Zone producing	(Upper or Lower):	Upper	
TIME (hour,date)	LAPSED TIME SINCE*	PRESS Upper Completion	URE	PROD. ZON TEMP.	E	R	EMARKS
11/29	1 day	325	300			,Æ	6789
11/30	2 days	143	300			(A)	
12/01	3 days	141	300			E63.an	EC 2000
					Section 1		ECON DIV
						<u> </u>	D(3Y, 8
Production ra	te during test						1000
Oil:		BOPD based	on	Bbls. in	Hours	Grav	/GOR
Gas:1	36	MCFPI	D; Tested thru	(Orifice or M	leter): mete	r	
	,	MID-T	EST SHUT-IN	PRESSUR	E DATA		
Upper Completion	Hour, date shut-in	Length of time s	Length of time shut-in			Stabilized? (Yes or No)	
Lower Completion	Hour, date shut∹in	Length of time s	Length of time shut-in		SI press, psig Stabilized?		

- 1	F	1	a	V	1	TF	2	T	N	0	1 2

Commence	d at (hour, date)	·		Zone producing (Upper or Lowr):				
TIME (hour,date)	LAPSED TIME Since**	PRESS Upper Completion	URE Lower Completion	PROD. ZONE	REMARKS			
			<del></del>					
Oil: Gas:		based onMCFP		inHour	sGravGOR	<del></del>		
Approved	1161 -	(	_ Operator_		bes of my knowledge.	_ New		
ORIGIN By	IAL <b>SIGNE</b> D BY CH	ARLIE T. PHINNE			als			
Title	Y OIL & GAS INSP	ECTOR, DIST. #3		12/5/00				

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ils form is not to e used for reporting acker leakage tests I Southeast New Mexico

> Page 1 Revised 11/16/98

					•	Revised 11/16/98
	_	NORTHWEST	NEW MEXICO	PACKER-L	EAKAGE TEST	
Opera	itor Domin	ion Prod	+E×p Lea	se Name	Burns Fede	ral Well No 1-1
					V API#30-0 39	
	NAME OF RESE	RVOIR OR POOL		F PROD. r Gas)	METHOD OF PROD. (Flow or Art, Lift)	PROD.MEDIUM (Tbg. or Cag.)
Upper Completion	Mesa V	Ga	<b>-</b> S	Flow	Tbq.	
Lower Completion	Dakota	a	Ga	 S	Flow	Tbg.
		PRE-F	LOW SHUT-II	Y PRESSUR	E DATA	,
Upper Completion	Hour, date shut-in	Length of time s	hut-in 245	St press. Psig 2.35	Stabilized? (Yes or No) Y & S	
Lower Completion	Hour, date shut-in		2Y5:	Stabilized? (Yes or No). YCS		
			FLOW TE	ST NO. 1		
Commenced at (	hour, date)*			Zone producing	(Upper or Lower): Up	per
TIME (hour,date)	LAPSED TIME SINCE*	PRESS Upper Completion	Lower Completion	PROD. ZON TEMP.	E R	EMARKS
0-17	Iday	235	220	11		
0-18	2 days	132	220			
10-19	3 days	140	220			
					**	
roduction re	ate during test	<u> </u>		<u> </u>		
)il:		BOPD base	ed on	Bbls. ir	nHours	GravGOR
Sas:	96	MC	FPD; Tested to	hru (Orifice o	r Meter): Mete	<b>r</b>
		MID-	TEST SHUT-II	N PRESSUR	E DATA	
Upper Completion	Hour, date shut-in		Length of time	shut-in	SI press psig	Stabilized? (Yes or No)
Lower Completion	Hour, date shut-in	Length of time	shut-in	SI press, psig	Stabilized? (Yes or No)	

Time (nour, date)  Time (nour, date)  Troduction rate during test  Dil:	Commerce			FLOW TI	EST NO. 2		
roduction rate during test  ii:BOPD based onBbls. inHoursGravGOI  emarks:  mereby certify that the information herein contained is true and complete to the bes of my knowledge.  Deproved		T-1	10	Zone producing (Upper or Lours):			
roduction rate during test  il:BOPD based onBbls. inHoursGravGOF  as:MCFPD:Tested thru (Orfice or Meter):  emarks:  hereby certify that the information herein contained is true and complete to the bes of my knowledge.  proved20OperatorDminion  ByBW			Upper Completion				
coduction rate during test	<del></del>						
Deduction rate during test							
Deduction rate during test				-	1		
BOPD based onBbls. inHoursGravGOI  IS:MCFPD:Tested thru (Orfice or Meter):  marks:  ereby certify that the information herein contained is true and complete to the bes of my knowledge.  proved					7,7		
BOPD based onBbls. inHoursGravGOI							
BOPD based onBbls. inHoursGravGOF							
marks:  ereby certify that the information herein contained is true and complete to the bes of my knowledge.  proved	oduction ra	te during test					
percept certify that the information herein contained is true and complete to the bes of my knowledge.  Operator Dominion  By Jom Stable  Title Condense 20	il: as:	BOPD	based onMCI	Bb FPD:Tested thru	ls. in Hou (Orfice or Meter):	irsGravGOR	
proved	marks:		* .				
By Som Stable	ereby certif	y that the inform	nation herein co	ntained is true ar	nd complete to the	bes of my knowledge.	
Title ( On Local I)	proved w Mexico Oi	I Conservation Di	20 vision	Operato	Domin	ion	
Title ( On Local I)	Galleton.	L Marie .	t was a second	Ву	Som Sta	hle	
In the second of		· · · · · · · · · · · · · · · · · · ·	\$	Title (	contrac.	+ Pimner	
Date 10-20-02	le	A SE INGRES	end ,	Date	10-20-0	2	

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