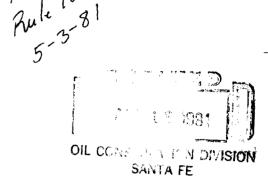
dugan production corp.

April 1, 1981

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



Application for Administrative Approval of Unorthodox Location for Jerome P. McHugh's Jo Ann's Jewel #3, 730' FSL - 2020' FEL, Sec, 17 T24N, R2W outh Blanco PC SE/4 decletet Rio Arriba County, New Mexico

Dear Mr. Ramey:

Enclosed please find three copies of the Application for Administrative Approval of the Unorthodox Location for the above-referenced well, which application includes a plat showing the ownership of all leases offsetting this spacing unit for which the unorthodox location is sought, and all wells completed thereon, and a plat showing the existent topographical conditions of the well location. Also enclosed are copies of the dedicated acreage plat.

Copies of this application are being submitted to all offsetting operators by certified mail with a request that they furnish your office with a waiver of objection.

Please advise if you need further information.

Sincerely,

prome P. McHy (gr Verome P. McHugh Jr

Agent

fp

Enclosures

Joe D. Ramey April 1, 1981 Page 2

xc: Frank Chavez
New Mexico Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

James Sims U.S. Geological Survey P O Box 959 Farmington, NM 87401

D. N. Canfield, Landman El Paso Natural Gas Co. P O Box 1492 El Paso, TX 79978

Jerome P. McHugh 650 South Cherry Street, Suite 1225 No. 1074 P O Box 22557 Denver, CO 80222

APPLICATION FOR ADMINISTRATIVE APPROVAL OF UNORTHODOX LOCATION

APR 28 EST

Applicant:

Jerome P. McHugh

Name of Well: Jo Ann's Jewel #3

Land Dedicated to the Well:

SE/4 Sec 17 T24N R2W, Rio Arriba County, NM

Proposed Unorthodox Location:

730' SFL - 2020' FEL

Sec 17 T24N R2W

Rio Arriba County, NM

Reason for Unorthodox Location:

Because of cultural resource area on planned location, could not find an orthodox area to place the well; therefore the location had to be placed in an unorthodox location to the west.

See Exhibit "D", Cultural Resource Evaluation.

Offsetting Leases and Operators and Well Completions:

See Exhitib "A", attached hereto and incorporated herein by reference.

Existent Topographical Conditions:

See Exhibits "B" & "C" attached hereto and incorporated herein by reference.

New Mexico Oil Conservation Division Rule Authorizing Application:

104-F

Thomas A. Dugan, Agent

T24 N -
アロミ

			•	
20	Lindvith #75	El Paso Natural Gas Co.	Jerome P. McHugh Jo Ann's Jewel #2 \$\footnote{Pre}{} \text{Pre}{} \text{Pre}{}	Di's Delight #1
0		Proposed Unorthodox Unorthodox Location Jo Ann's Jewel #3 Jerome P. McHugh El Paso Natural Gas Co.	Jerome P. McHugh	Jerome P. McHugh Dis Delight #2 Location
21	Lindrith #86	El Paso Natural Gas Co.	16	

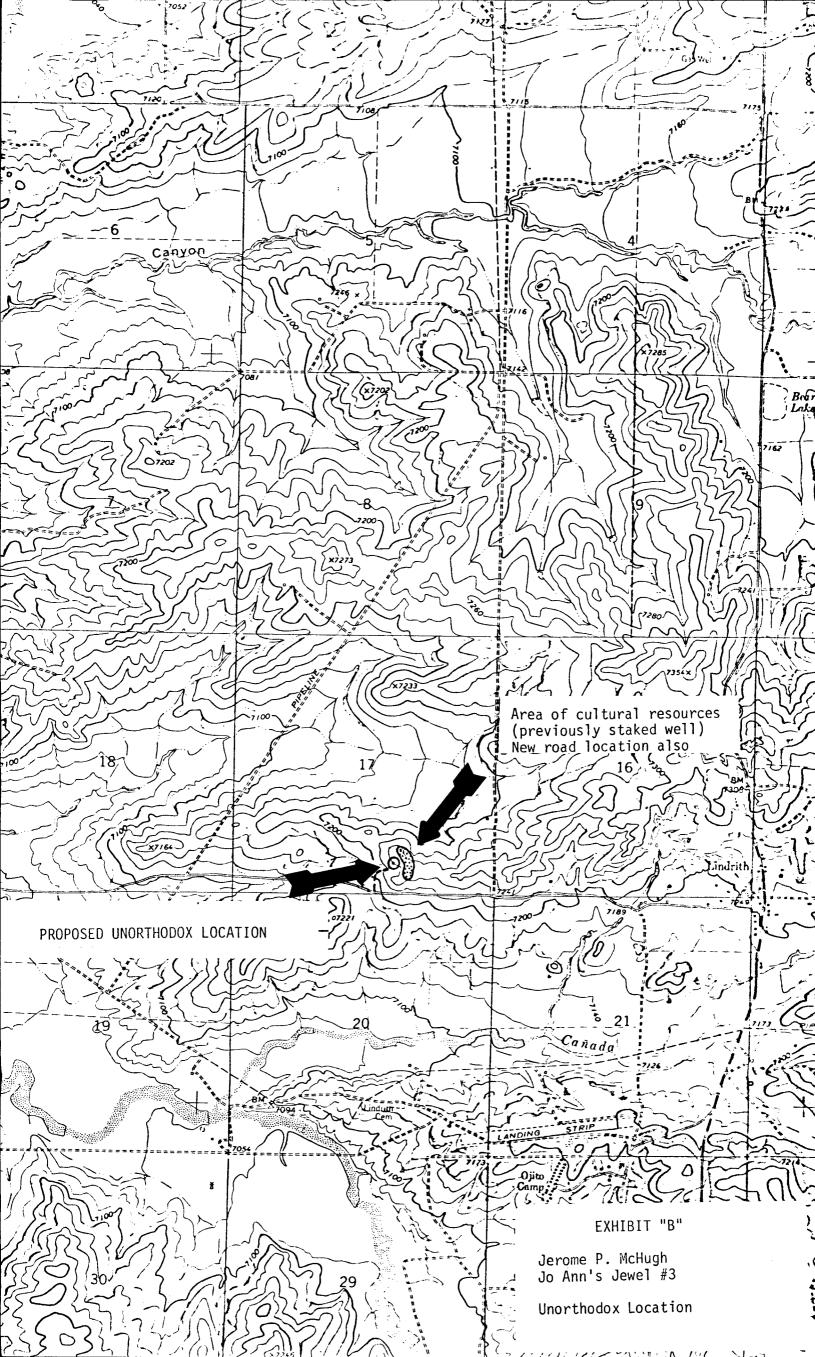
OFFSETTING OPERATOR

El Paso Natural Gas Co. - NE/4 Sec 20 T24N R2W Rio Arriba County, New Mexico

EXHIBIT "A"

Jerome P. McHugh Jo Ann's Jewel #3

Unorthodox Location



		All distance	s must be from	the outer b	oundaries of	the Section.				
Operator Jerome P.	McHugh		Le	Jo	Ann's	Jewe1			Well No.	# 3
Unit Letter	Section	Township	L	Range) U t	County	Assaib =		L	
O Actual Footgoo Log	17	24	North		2 West	K10	Arriba			
Actual Footage Loc		outh	line and	2020'	fac	et from the	East		line	
Ground Level Elev.	Producing For	rmation	Po	ol				T	ited Acreage:	
7231'		ured Cliff			Blanco_			<u>L</u>	160	Acres
. 1. Outline th	e acreage dedica	ited to the su	bject well	by colore	d pencil o	r hachure i	marks on tl	he plat	below.	
	nan one lease is nd royalty).	dedicated to	the well, o	utline ea	ch and ide	ntify the o	wnership t	hereof	(both as to	working
_	an one lease of dommunitization, u				the well,	have the in	nterests of	all o	wners been	consoli-
Yes	No If a	nswer is "yes	;" type of co	onsolidati	on					
	is "no," list the f necessary.)	owners and tr	act descript	ions whic	ch have a	ctually bee	n consolid	ated. (Use reverse	e side of
	ole will be assigndling, or otherwise)						•			
				[CERT	IFICATION	
	i	ł		!			I hereby o	ertify t	hat the informa	ation con-
	EXHIBIT "C"			t					rue and compl	
	P. McHugh			 			best of m	e g.	Mage and belie	1. U1.
	odox Location			-			Jerome Position	P. M	IcHugh J	<i>1</i>
				i			Landma	n		
	<u> </u>	1		1		11	Company			
	1			i			Dugan Date	Produ	iction Co	rp.
		Sec. 17		l !			3-24-8	1		
				+ -			shown on notes of a under my	this plan actual s supervis nd corre	that the well twas plotted to urveys made lion, and that ect to the be- lief.	from field by me or the same
	1		©+; 730'		- 2020 ^t			24-87 Profession Surfeyo	lugs	in
	120 1450 1950	2310 2640	7000	1500	000 50				rofessio	nal Eng



EXHIBIT "D"

Jerome P. McHugh Jo Ann's Jewel #3

Unorthodox Location

An Archaeological Clearance Survey of Four Proposed Well Locations & Access Roads Conducted for Dugan Production Corporation

L. Jean Hooton

MF #2 Bright Angel #1 Kaibab Trail #1 JoAnn's Jewel #3

Report 81-SJC-107

of the

Cultural Resource Management Program

San Juan Campus

New Mexico State University

2 April 1981

Report 81-SJC-107 Permit 81-NM-083 and 79-NM-123 Navajo Tribe with tribal consent to Issuance #52.

An Archaeological Clearance Survey of Four Proposed Well Locations & Access Roads Conducted for Dugan Production Corporation

> L. Jean Hooton Cultural Resource Management San Juan Campus New Mexico State University

April 2, 1981

An Archaeological Clearance Survey of Four Proposed Well Locations & Access Roads Conducted for Dugan Production Corporation

On March 23, 1981, L. Jean Hooton, from the Cultural Resource Management Program, New Mexico State University, San Juan Campus, conducted an archaeological clearance survey at the request of Mr. Jerome P. McHugh, Jr., Dugan Production Corporation. Messrs. McHugh and Chris McHugh, Dugan Production, and Steve Shafran, U. S. Geological Survey, were present during the survey.

The proposed well locations will be on lands administered by the Bureau of Land Management, Federal Antiquities Permit 81-NM-083 and the Navajo Tribe, Federal Antiquities Permit 79-NM-123, and Navajo Tribal consent to issuance #52; and private land with federal minerals.

METHODOLOGY

The proposed well locations were surveyed by walking parallel transects, 50 feet apart, over a 300 by 300 foot easement. Access roads were inspected by walking the proposed route to and from the well location along a flagged line.

GENERAL RECOMMENDATIONS

Two sites, SJC-721 and SJC-722 were found on or near the proposed well locations. Site SJC-722 was found off the northeast corner of the proposed location Kaibab Trail #1. The site will not be disturbed by the proposed construction and drilling activities. Archaeological clearance is recommended with the stipulation that the site be avoided and remain undisturbed.

Site SJC-721 was found on and around the proposed well location, JoAnn's Jewel #3 (see site map and description). It was recommended that the well location be moved west and slightly south in order to avoid the site and prevent any inadvertant disturbance of the site.

GENERAL RECOMMENDATIONS (continued)

No other cultural resources were found during the survey and archaeological clearance is recommended as stated in this report.

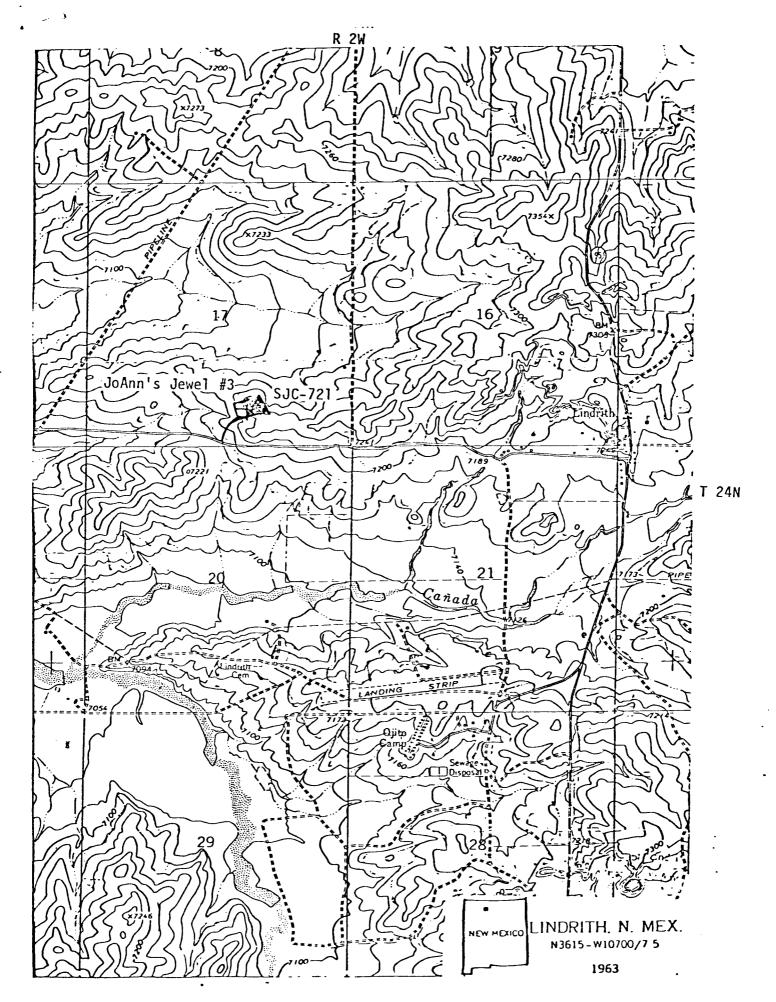


Figure 3

San Juan Campus Archeological Survey DUGAN Project SITE NO.: L.A
Sie name SiC-721 (The McHugh Site) Field number JoAnn's Jewel #3
of Etz of the SW 1/2 of the SE 1/2, Sec. 17, T. 24 XX, R. 2 W., County Rio Arriba State N.M.
Wap source Lindrith. N.M., 1963 7.5 minute series, US Geological Survey Elevation 7,245'
Orainage: primary Canada Jacquez & unnamed tributaraesadary Canada Larga
location on western end of low ridge top
rearest town Lindrith, N.M. Nearest highway NM 95 Accessibility: foot X sedan X 4-wh. dr. backhoe
Cwnership Fee Surface / Federal Minerals
Informant
Stake location 60 m. west of site, well location 730 FSL, 2020 FEL
SITUATION (check): Valley bottom Bench Slope Ridge X Mesa top Cliff edge Overhang Cave Dune
Other Area of site 225M N/S X 100 M E/W
FEATURES (Indicate number): Pit houses 2 Kivas Surface rooms: Slab Masonry Adobe Other
Refuse area [direction] W Hearths Burials Sherd/Chipping area X Grids/Dams/Terraces Pictographs/Petroglyphs
PLAN: 1-room X Linear Arc L-shaped C-shaped F-shaped E-shaped (0)-shaped Enclosed plaza: by a wall
by rooms ScatteredX Indeterminate Other
Single-tier X Double-tiertiers Part double-tier Part tier Orientation South Exposure Open
Nature & depth of fill alluvial & cultural fill, 20 - 30 m. Est. Wall height Stratified?
Condition: Undisturbed X Eroded Pot-hunted Pottery/Artifact abundance: 10's, 100's, 1000's, and 10/(2M ²) Modern structures
Surface: Level Uneven X Slopes to (direction) Surface deposits: Alluvium X Colluvium Aeolian Talus
ResidualSoil: Rocky X Gravelly Sandy XX Clayey X Other
Local rock outcrops: Sandstone Limestone Shale Caliche Basalt Tuff Other
Arable land (type, distance & direction) Alluvial flood plains, 500 M North, 1050 M South Canada Jacquez Water (distance & direction): River Arroyo 1050mS Confluence Spring Seeps
Bedrock pool Permanent? NO Local vegetation patterns Pinon, Juniper, oak brush, bitter brush,
sagebrush, snakeweed, broadleaf yucca, prickly pear cactus, grama, galleta.
Other resourcesPhoto: B/WColor
Some chipped stone, lots of gallina B/W, corrugated, and plain pottery,
ground stone fragments, pile of burned adobe beam impressions next to eastern most
pithouse. No evidence of recent potting.
References
Report 81-SJC-107
Excavation requirements: Labor Time Equipment OCO 1275 A.D. (DI DII)
CULTURE Anasazi / Largo-Gallina Phase/Date 950-1275 A.D. / (PI - PII)
Zone UTM 13: 314,140 F: 4,019,700 n Northern end Lab. class 1 2 3 4 5 6 7 8 9 10 Lab. remarks 13: 314,240 E: 4,019,560 n Southern end
13; 314,140 E; 4,019,640 n Eastern Side
13; 314,240 E; 4,019,620 n Western Side
Field recorder
Lib recorder Date Bulk

SITE SJC-721

Site SJC-721, The McHugh Site, is a Largo-Gallina phase, 950-1275 A.D. The site consists of two pithouse depressions and associated artifact scatter and debris (see site map). One pithouse is on the edge of a northern point of a low ridge overlooking a small unnamed drainage. The pithouse depression is approximately 10 meters in diameter and 1 meter deep. Also visible on the surface is a squarish arrangement of the top most edge of upright slabs on the southwestern side of the pithouse, probably the ventilator shaft. At the southern end of the site and away from the edges of the ridgetop is another pithouse depression of similar dimension. There is a low mound of burned adobe beam impressions on the northern side of the pithouse. An old jeep trail skirts around the southern side of the pithouse but apparently has caused only minimal disturbance.

There are several artifact concentrations south of the northern most pithouse including sherds from many different vessels, occasional pieces of chipped stone - chert and chalcedony, and a few small fragments of ground stone. The sherds were representative of gallina B/W, Gallina plain undecorated, and a wide-banded variety of Gallina grayware. There were no dianostic lithic tools found and no collections were taken.

The site is in good condition, and there was no evidence of pothunting other than probable surface collecting. A recently chained clearing is on the west side of the site and some sherds were observed there although apparently there were no features damaged by the chaining.

The site covers an area approximately 225 meters long and 100 meters wide. Depth of fill is probably 2 $\frac{0}{2}$ to 3 $\frac{0}{2}$ meters and artifact density varies from 25 - 30 /1M² in concentrations to less than 5/(2M)² sparsely scattered over the site.

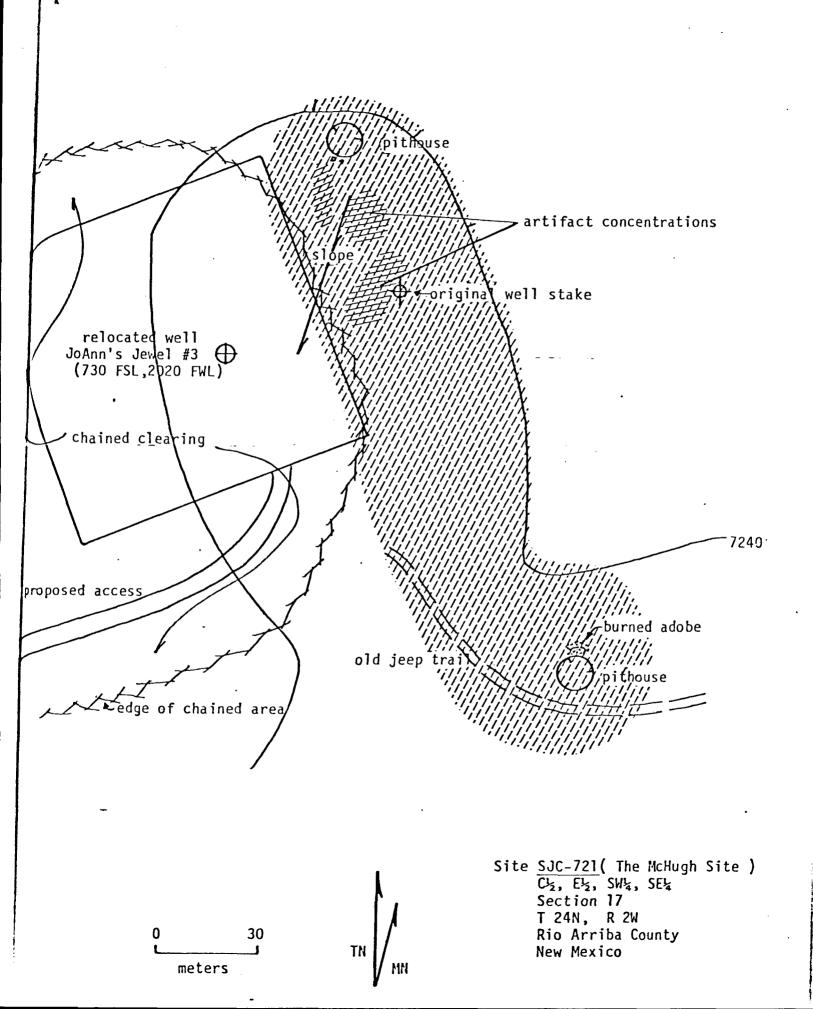
SITE SJC-721 Page 2

The site is on a low ridgetop with northerly, westerly and southerly drainage, approximately 1.4 miles west of Lindrith, New Mexico and 200 meters North of the Largo Canyon Road. The soil is sandy clayey loam and vegetation is generally characterized by pinon, juniper, woodland including oak brush, bitter brush, sagebrush, snakeweed, broadleaf yucca, prickly pear cactus, grama and galleta.

It was requested that the proposed well location be moved to the west into a chained clearing in order to avoid the site. The well location was restaked 170 feet west and 60 feet south of the original stake.

It is also recommended that the proposed construction and drilling activities be confined to the area within the chained clearing, with the dead brush piled around the edge of the clearing serving as a boundary between the location and the site.

With the above stipulations, archaeological clearance is recommended.



APPLICATION FOR ADMINISTRATIVE APPROVAL OF UNORTHODOX LOCATION

Applicant:

Jerome P. McHugh

Name of Well: Jo Ann's Jewel #3

Land Dedicated to the Well: SW/4 SE/4 Sec 17 T24N R2W, Rio Arriba County, NM

Proposed Unorthodox Location:

730' SFL - 2020' FEL

Sec 17 T24N R2W

Rio Arriba County, NM

Reason for Unorthodox Location:

Because of cultural resource area on planned location, could not find an orthodox area to place the well; therefore the location had to be placed in an unorthodox location to the west.

See Exhibit "D", Cultural Resource Evaluation.

Offsetting Leases and Operators

and Well Completions:

See Exhitib "A", attached hereto and incorporated herein by reference.

Existent Topographical Conditions:

See Exhibits "B" & "C" attached hereto and incorporated herein by reference.

New Mexico Oil Conservation Division Rule Authorizing Application:

104-F

Thomas A. Dugan, Agent

Waiver:

Shasa Wall gas Company hereby acknowledges receipt of the Approval of Unorthodox Location filed by herein and hereby waives objection to Jerome P. McHugh Application for Administrative Jerome P. McHugh's Approval of Unorthodox Location for their Jo Ann's Jewel #3 Well as proposed herein.

bmit 5 Copies 1 EPNG propriete District Office		-	nerals and Na		rces Departn	/		Form C Revised See los	1-1-89
O. Box 1980, Hobbe, NM 88240 ISTRICT II O. Drawer DD, Arlesia, NM 88210				OX 2006/			•		
ISTRICT III XXX Rio Brazos Rd., Azlec, NM 87410	REQ	UEST FOR	Fe, New M	BLE AND	AUTHOR	IZATION	JUN 29	AM 5 4	Ü
)perator		TO TRAN	SPORT OI	L AND NA	ATURAL G		API No.		
DUGAN PRODUCTIO	N CORI	·							
P.O. Box 420, Farmi leason(s) for Filing (Check proper box)	ngton,				her (Please exp		· · · · · · · · · · · · · · · · · · ·		
lew Well Lecompletion	Oil	Change in Tra	nsporter of:		nange of ffective	-			}
hange in Operator X	Casinghe	ad Gas 🗌 Co	ondensate						
change of operator give name id address of previous operator	Jero	me P. M	cHugh &	Assoc.	, PO Bo	x 809,	Farmi	ngton,	NM 8749
. DESCRIPTION OF WELL	AND LE								
case Name		1 1	ol Name, Includous Outh B1				of Lease Federal or Federal		ase No.
Jo Ann's Jewel		1 3 1 2	Oden bi	anco i c	LAC.				
Unit LetterJ	_ :15	20Fe	et From The	South Li	ne and	50 F	et From The	East	Line
Section 17 Townshi	p 24N	Ra	nge 2W	, N	імрм,	Rio Ar	riba		County
II. DESIGNATION OF TRAN	ISPORTE	OR OF OIL or Condensate			ve address to w	hich approved	l copy of this fo	orm is to be ser	u)
lame of Authorized Transporter of Casing	ghead Gas	or	Dry Gas XX	Address (Gi	ve address to w	hich approved	copy of this fo	orm is to be see	<u>υ</u>)
El Paso Natural f well produces oil or liquids, ve location of tanks.	=				k 4990, ly connected?	Farmir When		<u>NM 874</u>	99
this production is commingled with that V. COMPLETION DATA	from any oth	er lease or pool	, give comming	ing order num	ber:				
Designate Type of Completion	- (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Pate Spudded		ol. Ready to Pro	l d.	Total Depth	<u> </u>	L	P.B.T.D.		L
levations (DF, RKB, RT, GR, etc.)	Name of P	roducing Forma	tion	Top Oil/Gas	Pay		Tubing Dept	h	
erforations	<u>l</u>			1	<u></u>	M. 47-7,	Depth Casing	Shoe	
	Ţ	UBING, CA	SING AND	CEMENTI	NG RECOR	D			
HOLE SIZE	CA	SING & TUBIN	IG SIZE		DEPTH SET		<u> </u>	ACKS CEME	NT
'. TEST DATA AND REQUES	T FOR A	LLOWABI	Æ	<u> </u>			I		
HL WELL (Test must be after re) Thate First New Oil Run To Tank			od oil and must		exceed top allo			or full 24 hours	:)
Ale Firm New Oil Kum 10 1808	Date of Te	SI.		Fromeing M	ешки (110м, ри	mp, gas iyi, e	ME	CELL	1 F M
ength of Test	Tubing Pre	enie		Casing Press	nie		Choic Size	O 13 1	
actual Prod. During Test	Oil - Bbls.	·		Water - Bbls.			Gas- MCBU	N1 8 199	2
								CON.	
GAS WELL	V						_		DIV.
schiel Prod. Test - MCF/D	Length of	l'est		Bbls. Conden	iszle/MMCF ,		Gravity of Co		``,
esting Method (pitot, back pr.)	Tubing Pre	ssure (Shut-in)		Casing Press	ure (Shut-in)		Choke Size		
/I. OPERATOR CERTIFIC	ATE OF	COMPLI.	ANCE	1			L		
I hereby certify that the rules and regula	tions of the	Oil Conservatio	Ω .		OIL CON				N
Division have been complied with and t is true and complete to the best of my k			oove	Data	Annrovo	d J	UN 1819	92	
La 2 Jack					Approve	کندک) d		
Signature Jim L. Jacobs		Geolo	gist	By_	·			TRICT #	<u> </u>
Printed Name 6/17/92	_	Titl	c	Title	·				-
Date		325-1 Telephoo	e No.		4				

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) Senarate Form C-104 must be filed for each most in multiply completed wells

Form 23-119 (Asv. 4-73)

FILE

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



METER CODE CHANGE

Ç,	man de la companya del companya de la companya del companya de la		
NOTICE OF GAS CO	NECTION	DATE _	SEPTEMBER 23, 1986
THIS IS TO NOTIFY	THE OIL CONSERVATION	ON COMMISSION THAT	CONNECTION FOR PURCHASE
GAS FROM JEROM	E P. McHUGH	JO ANN'S	JEWEL #3
	Operator	- We	ell Name
		_	
03-890-01 Meter Code	12990-01 Site Code	Well Unit	— <u>17–24–2</u> S–T–R
Meter Code	Site Code	wen omt	5-1-1
S. BLANCO	PICTURED CLIFFS	FT. PASO NA	ATURAL GAS
	Pool	Name	e of Purchaser
WAC MADE ON AU	TOTTOM: 20 - 1004	CIDOT DELIVERY	DECEMBER 15, 1981
WAS MADE ONAU	Date	FIRST DELIVERT	December 15, 1981 Date
AOF2450			
	•		
CHOKE			
	· /		
FORMALLY PRODUC	ED THRU METER #94-093	u=01 -	
		EL PASO Purchaser	O NATURAL GAS
		Purchaser	
			110000
		Representa	ative
		01	Washedasi Sunaan
		Title	Technical Support
	•	•	3 m.
	to patrici		
	TION COMMISSION (2) ONTROL - El Paso	O	SEP 2 5 1986 CON. DIV
LEASE DEVELO	PMENT - El Paso		Dist of DIV
CONTRACT ADM	INTSTRATION - El Paso	١	~ · · · · · · · · · · · · · · · · · · ·

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

/	
4	0
`	_

NOTICE OF GAS CONNECTION

DATE December 22, 1981

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR PURCHASE OF

GAS FROM Jerome	P. McHugh	Jo Ann's	Jewel #3
	Operator	We	ll Name
94-093-01	12990-01	J	17-24-2
Meter Code	Site Code	Well Unit	S-T-R
South Blanco Pic	ctured Cliffs	El Paso Nati	ıral Gas Company
F	Pool	Name	of Purchaser
WAS MADE ON Dece	mber 15, 1981	FIRST DELIVERY	December 15, 1981
	Date		Date
AOF 2,450			
CHOKE 1,847	JAN 08 1982	El Paso M Purchaser	Natural Gas Company
DEC 2 8 1981 OIL CUN. CUM DIST. 3	JAN 08 130 ALL TO THE SANTA FE	Representa	Carles at Homen
	-	Assistant	Chief Dispatcher
		Title	

cc: Operator Denver
Oil Conservation Commission - 2
Proration - El Paso

File

639 P

4 - NMOCD 1 √El Paso Expl. 1 - McHugh 1 - File c-104 STATE OF NEW MEXICO SY AND MINERALS DEPARTMENT Revised 10-1-78 OIL CONSERVATION DIVISION DISTRIBUTION P. O. BOX 2088 ANTA FE SANTA FE, NEW MEXICO 87501 TILE J.S.U.S. AND OFFICE REQUEST FOR ALLOWABLE AND PERATOR AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS PROPATION OFFICE Jerome P. McHugh P O Box 208, Farmington, NM 87401 leason(s) for filing (Check proper box) Other (Please explain) XX Dry Gas Recompletion Oil Change in Ownership Casinghead Gas Condensate I change of ownership give name nd address of previous owner ____ DESCRIPTION OF WELL AND LEASE Well No. Pool pare Including Formation Kind of Lease Legse No. Fee State, Federal or Fee Jo Ann's Jewel Pictured Cliffs Location 1850 South Line and East Unit Letter Feet From The Feet From The 24N 2W Rio Arriba Line of Section Township Range . NMPM. County DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS Name of Authorized Transporter of Oil Address (Give address to which approved copy of this form is to be sent) or Condensate or Dry GasxX Address (Give address to which approved copy of this form is to be sent) Name of Authorized Transporter of Casinghead Gas El Paso Natural Gas Co P O Box 990, Farmington, NM 87401 Twp. Sec. Rge. If well produces oil or liquids, give location of tanks. If this production is commingled with that from any other lease or pool, give commingling order number: COMPLETION DATA Oil Well Gas Well New Well Workover Plug Back Same Res'v. Diff. Res' Designate Type of Completion - (X) XX Date Spudded Date Compl. Ready to Prod. Total Depth P.B.T.D. 5-30-81 6-27-81 3260' GI 3248 Elevations (DF, RKB, RT, GR, etc.) Top Oll/Gas Pay Tubing Depth Name of Producing Formation 7177' GL Pictured Cliffs 3163' GL 3206 GI Depth Casing Shoe Perforations 3163-69 and 3224-36 11 holes 3250' GL TUBING, CASING, AND CEMENTING RECORD SACKS CEMENT HOLE SIZE CASING & TUBING SIZE 7" 9-7/8" 110' GL 50 sx class B 2% CaCl 7-1/4" 32501 43" GL 360 cu.ft. 14" 3206' GL (Test must be after recovery of total volume of load oil and must be equal to or exceed top alloable for his depth or be for full 24 hours) TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL Producing Method (Flow, pump, gas lift, etc.) Date First New Oil Run To Tanks Date of Test Tubing Presidure Choke Size Casing Pres Length of Test Ggs - MCF Water - Bt Actual Prod. During Test 17:1 JUL 1 7 1981 OIL CON. COM. لناللان GAS WELL DIST. 3 Actual Prod. Test-MCF/D Gravity of Condensate Length (c) Test Bbis. Conder 1846.59 3 hrs.
Tubing Pressure (Shut-in) Casing Pressure (Shut-in) Testing Method (pitot, back pr.) Choke Size 879 psi one point back press 879 psi OIL CONSERVATION DIVISION CERTIFICATE OF COMPLIANCE APPROVED I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. RY SUPERVISOR DISTRICT # 3

TITLE

Thomas A. Dugan

Agent

(Title)

If this is a request for silowable for a newly drilled or deepen well, this form must be accompanied by a tabulation of the deviations taken on the well in accordance with RULE 111.

This form is to be filed in compliance with RULE 1104.

All sections of this form must be filled out completely for allo able on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of own

¥ .			U.									
STATE OF NE	יין זינ צוכח 🥕	5-	NMOCD	1	- McH	· . uah	1.	-/File] - E]	Paso	Į.	rm C-105 rised 10-1-78
TRGY AND MINERA			·			•		/	2-E1	ONG	•	
Ed. 8. 80*187 *161			OIL			ATION [עוט	151014		30, 114	dicari	Type of Lease
SANTA FE) 		S/			W MEXIC	0 8	7501	•		ote (ie ()ii	C Gus Leuss No.
71L1			5551	~~.	D 055	olen erio))	NEDODE AL	IO 1 OC		•	
LAND OFFICE		WLLL	. COMPL	ETION O	IR REC	OMPLETIC)II K	REPORT AN	ID LOG			
TYPL OF WELL								processis.		7. 001	1 ///	eement trace
717207	011		€A8	. XX			_				•	
TYPE OF COMPL					لىبىدا 140		TR	TUN		8. Fur	m or l	Legae Name
merc XX ov	CA DECE	<u> </u>	940		rsva.	- 011	al.	PHIF	4	J0		's Jewell
·	ome P. McHu	ıah						L 1 7 198	I n	#3		
ddrene of Operator				· · · · · · · · · · · · · · · · · · ·			7	CO	M.	10. 11		nd Pool, or Wildcar
P 0	Box 208, F	armi	ngton,	NM 874	101		OIL	CON. CO		S.	Plai	nco P.C. ext.
ocation of Mail						•		DIST. 3			III	
LETTER J	LOCATED	152	0 , , , ,	FROM THE _	So	uth	。 0	850	CET FROM			
East	17		241	2U			111			Dio	-	111111 200
Date Spudded	16. Date T.D.				HMPH leady to l		Eleve	ations (DF, R	KB. RT. G	Rio		Elev. Cashinghead
5-30-81	6-4-81			6-27-8		10.		7177' G		,		
Total Depth	21. Pl	ug Back			II Multipl Many	le Compl., Ho	ow.	23. Intervals Drilled I			·	Cable Tools
3260 Producing Interval	a) of this comple		248	- Name		single		<u> </u>	<u> </u>	TD	12	5. Was Directional Su
Producing Intervall	s), or this comple	- 11011	TOP, BORIO	m, Nome				·			'	Made
3163-3236	' Picture	ed C1	iffs					•				NO ,
Type Electric and C		nsity	Neutr	on and	Gamma	Ray				1	27. W	us Well Cored NO
	other Logs Run ensated Der	nsity					s set	in well)		1	27. W	ns Well Cored NO
			CA		ORD (Rep	Ray, ort all string	s set		ING REC		27. W	
IES, Comp	weight LB.		CA DEPT	SING RECO H SET GL	ORD (Rep HOL 9-	ort all string E SIZE 7/811	50	CEMENT SX class		ORD	27. W	NO
IES, Comp	ensated Der		CA DEPT	SING RECO H SET GL	ORD (Rep HOL 9-	ort all string E SIZE	50	CEMENT		ORD	27. W	NO AMOUNT PULLE
IES, Comp	weight LB.		CA DEPT	SING RECO H SET GL	ORD (Rep HOL 9-	ort all string E SIZE 7/811	50	CEMENT SX class		ORD	27. W	NO
IES, Comp	weight LB.	./FT.	CA DEPT	SING RECO H SET GL	ORD (Rep HOL 9-	ort all string E SIZE 7/811	50	CEMENT SX class	B, 2%	ORD		NO AMOUNT PULLE
IES, Comp CASING SIZE 7" 4½"	weight LB.	./FT.	110' 3250'	SING RECO H SET GL	PRD (R + p но. 9- 6-	ort all string E SIZE 7/811	50 360	SX Class Cu.ft. 30. SIZE	B, 2%	ORD CACI UBING I	RECO	NO AMOUNT PULLE
IES, Comp CASING SIZE 7" 4½"	weight LB. 23 10.5	./FT.	110' 3250'	SING RECO	PRD (R + p но. 9- 6-	ort all string LE SIZE 7/8" 1/4"	50 360	SX Class Cu.ft.	B, 2%	CACI	RECO	NO AMOUNT PULLE DRD
IES, Comp CASING SIZE 7" 4½"	weight LB 23 10.5	JFT.	CA DEPT 110' 3250' RECORD	SING RECO	PRD (R + p но. 9- 6-	ort all string LE SIZE 7/8" 1/4"	50 360	SX Class Cu.ft. 30. SIZE	B, 2%	UBING I	RECO r GL	NO AMOUNT PULLE PRD PACKER SET
IES, Comp CASING SIZE 7" 4½" SIZE None Perforation Record	weight LB. 23 10.5 Top	INER I	CA DEPT 110' 3250' RECORD OTTOM	SING RECO	PRD (R + p но. 9- 6-	SCREEN 32. DEPTH	50 360 ACID	CEMENT SX Class Cu.ft. 30. SIZE 1111 C, SHOT, FRA ERVAL	B, 2%	UBING I	RECO T GL	AMOUNT PULLE PRD PACKER SET EEZE, ETC. D MATERIAL USEO
IES, Comp CASING SIZE 7" 4½" SIZE None Perforation Record	weight LB 23 10.5	INER I	CA DEPT 110' 3250' RECORD	SING RECO	PRD (R + p но. 9- 6-	SCREEN 32. DEPTH	50 360 ACID	CEMENT SX Class Cu.ft. 30. SIZE 1111	B, 2%	UBING I	RECO T GL	AMOUNT PULLE PRD PACKER SET EEZE, ETC. D MATERIAL USEO
IES, Comp CASING SIZE 7" 4½" SIZE None Perforation Record	weight LB. 23 10.5 Top	INER I	CA DEPT 110' 3250' RECORD OTTOM	SING RECO	PRD (R + p но. 9- 6-	SCREEN 32. DEPTH	50 360 ACID	CEMENT SX Class Cu.ft. 30. SIZE 1111 C, SHOT, FRA ERVAL	B, 2%	UBING I	RECO T GL	AMOUNT PULLE PRD PACKER SET EEZE, ETC. D MATERIAL USEO
IES, Comp CASING SIZE 7" 4½" SIZE None Perforation Record 3163-69 at	weight LB. 23 10.5 Top	INER I	DEPT 110' 3250' RECORD OTTOM	SING RECO	PRD (Rep HOL 9- 6-	ort all string E SIZE 7/8" 1/4" SCREEN 32. DEPTH See SUI	50 360 ACID	CEMENT SX Class Cu.ft. 30. SIZE 1111 C, SHOT, FRA ERVAL	B, 2%	UBING I	RECO T GL	AMOUNT PULLE PRD PACKER SET EEZE, ETC. D MATERIAL USEO
IES, Comp CASING SIZE 7" 4½" SIZE None Perforation Record 3163-69 at	weight LB. 23 10.5 Top (Interval, size and 3224-36	INER I	DEPT 110' 3250' RECORD OTTOM	SING RECO	PRODU	SCREEN 32. DEPTH	50 360 ACID	CEMENT SX Class CU.ft. 30. SIZE 1½" D. SHOT, FRA ERVAL Y NOTICE	B, 2%	UBING I PTH SE 206 CEMENT HT AND 9-81	RECO T GL SQU KIND	AMOUNT PULLE PACKER SET PACKER SET DEEZE, ETC. DMATERIAL USED details.
IES, Comp CASING SIZE 7" 4½" SIZE None Perforation Record . 3163-69 at 3-1/8"	weight LB. 23 10.5 TOP (Interval, size and 3224-36	INER I	DEPT 110' 3250' RECORD OTTOM 1 holes	SING RECO	PRODU	SCREEN J2. DEPTH See SUI	50 360 ACID	CEMENT SX Class CU.ft. 30. SIZE 1½" D. SHOT, FRA ERVAL Y NOTICE	B, 2%	UBING I PTH SE 206 CEMENT HT AND 9-81	RECO T GL SQU KIND	AMOUNT PULLE PRD PACKER SET EEZE, ETC. D MATERIAL USEO
IES, Comp CASING SIZE 7" 4½" SIZE None Perforation Record 3163-69 at 3-1/8" • First Production	weight LB. 23 10.5 TOP (Interval, size and 3224-36	INER I	DEPT 110' 3250' RECORD OTTOM 1 holes 1981 Leinod (Flo	SING RECO	PROOL	SCREEN J2. DEPTH See SUI	ACID INTERNATIONAL ACID INTERNAT	CEMENT SX Class CU.ft. 30. SIZE 1½II D. SHOT, FRA ERVAL y notice pump) Gas MCF	B, 2%	UBING I PTH SE 206 CEMENT HT AND 9-81	RECO T GL SQL SALVA FOR	AMOUNT PULLE PACKER SET PACKER SET DEEZE, ETC. DMATERIAL USED details.
IES, Comp CASING SIZE 7" 4½" SIZE None Perforation Record . 3163-69 at 3-1/8" • First Production • of Test 7-8-81	weight LB. 23 10.5 TOP (Interval, size and 3224-36 DIE	INER I	DEPT 110' 3250' RECORD OTTOM 1 holes 1981 Leihod (Flo	SING RECO	PRODU	SCREEN 32. DEPTH See SUI	ACID INTE	CEMENT SX Class CU.ft. 30. SIZE 1½" D. SHOT, FRA ERVAL Y NOTICE Pump) Gas MCF 1846	B, 2%	UBING I PTH SE 206 CEMENT NT AND 9-81	GL SOU	AMOUNT PULLE PACKER SET PACKER SET MATERIAL USED details. (Prod. or Shurin) Gas—Oil Hallo
IES, Comp CASING SIZE 7" 4½" SIZE None Perforation Record . 3163-69 at 3-1/8" • First Production • of Test 7-8-81	weight LB. 23 10.5 TOP (Interval, size and 3224-36	INER I	DEPT 110' 3250' RECORD OTTOM 1 holes 1981 Leinod (Flo	SING RECO	PRODU	SCREEN 32. DEPTH See SUI	ACID INTE	CEMENT SX Class CU.ft. 30. SIZE 1½" D. SHOT, FRA ERVAL Y NOTICE Pump) Gas MCF 1846	B, 2% T DES 3 CTURE, 6 AMOU Of 6-2	UBING I PTH SE 206 CEMENT NT AND 9-81	GL SOU	AMOUNT PULLE PACKER SET PEEZE, ETC. D MATERIAL USED details.
IES, Comp CASING SIZE 7" 4½" SIZE None Perforation Record . 3163-69 al 3-1/8" • First Production • of Test 7-8-81 • Tubing Press. 9 psi (chk)	weight LB. 23 10.5 TOP (Interval, size and 3224-36 Production of the production	INER I	DEPT 110' 3250' RECORD OTTOM 1 holes 1081	SING RECO	PRODU	SCREEN 32. DEPTH See SUI	ACID INTE	CEMENT SX Class CU.ft. 30. SIZE 1½" D. SHOT, FRA ERVAL Y NOTICE Pump) Gas - MCF 1846	B, 2% TOPE 3 CTURE, G AMOU Of 6-2	UBING I PTH SE 206 CEMENT NT AND 9-81	RECO T GL SQU SKINI FOR	AMOUNT PULLE PACKER SET PACKER SET DEEZE, ETC. D MATERIAL USED details. (Prod. or Shut-in) Gon—Oil Hallo Gravity — API (Corr.)
SIZE None Perforation Record 3163-69 at 3-1/8" First Production Tubing Press. 9 psi (chk) Disposition of Gas (weight LB. 23 10.5 TOP (Interval, size and 3224-36 Production of the production	INER I	DEPT 110' 3250' RECORD OTTOM 1 holes 1081 1081 1081 1081 1081 1081 1081 108	SING RECO	PRODU	SCREEN 32. DEPTH See SUI	ACID INTE	CEMENT SX Class CU.ft. 30. SIZE 1½" D. SHOT, FRA ERVAL Y NOTICE Pump) Gas - MCF 1846	B, 2% TOPE 3 CTURE, G AMOU Of 6-2	UBING PTH SE 206 CEMENT NT AND 9-81	RECO T GL SQU SKINI FOR	AMOUNT PULLE PACKER SET PACKER SET DEEZE, ETC. D MATERIAL USED details. (Prod. or Shut-in) Gon—Oil Hallo Gravity — API (Corr.)
IES, Comp CASING SIZE 7" 4½" SIZE None Perforation Record 3163-69 at 3-1/8" • First Production	weight LB. 23 10.5 TOP (Interval, size and 3224-36 Production of the production	INER I	DEPT 110' 3250' RECORD OTTOM 1 holes 1081 1081 1081 1081 1081 1081 1081 108	SING RECO	PRODU	SCREEN 32. DEPTH See SUI	ACID INTE	CEMENT SX Class CU.ft. 30. SIZE 1½" D. SHOT, FRA ERVAL Y NOTICE Pump) Gas - MCF 1846	B, 2% TOPE 3 CTURE, G AMOU Of 6-2	UBING PTH SE 206 CEMENT NT AND 9-81	RECO T GL SQU SKINI FOR	AMOUNT PULLE PACKER SET PACKER SET DEEZE, ETC. D MATERIAL USED details. (Prod. or Shut-in) Gon—Oil Hallo Gravity — API (Corr.)
SIZE None Perforation Record 3163-69 at 3-1/8" First Production Total 7-8-81 Tubing Press. 9 psi (chk) Disposition of Gas (weight LB. 23 10.5 TOP (Interval, size and all all all all all all all all all al	INER I	DEPT 110' 3250' RECORD OTTOM 1 holes 1981 Hethod (Floring Hare) 3/4" 1 declared 24 1 declared 24	SING RECO	PRODU	SCREEN 32. DEPTH See SUI	ACIDATE NOTES	CEMENT SX Class Cu.ft. 30. SIZE 1½" D. SHOT, FRA ERVAL y notice Pump) Gas - MCF 1846 Water 450 CAOF	TOFF	UBING I PTH SE 206 CEMENT NT AND 9-81	GL SOU SKIND FOR	AMOUNT PULLE PACKER SET PACKER SET DEEZE, ETC. D MATERIAL USED details. (Prod. or Shut-in) Gon—Oil Hallo Gravity — API (Corr.)

This form to to be filed with the appropriate District Office of the Division not later them 20 days after the completion of any newly-difflued or dispensed well. It shall be accompanied by one copy of all abstrictly in the Howardtytty bigrams in the well and a numeral of all appetal tenta conducted, factoring diffraction tests. All depths regarded shall be measured depths, in the case of directionally diffed wells, two vertical depths shall also be rejected. For colliple completions, liens to though 14 shall be repeated for each zone. The loss is to be filed in quintoplicate oxerest on state land, where six copies are required. See Hold 1965.

		Southeastern New Mexico	Northwester	m New Mexico
T Ani	l, v	T. Cunyon 200	T. Ojo Alamo 2878'	T. Penn. "B"
		T. Sylavn	T. Kirtland-Fruitland 2982	T. Penn. "C"
		T. Atoka	T. Pictured Cliffs 3133'	T. Penn. "D"
		T. Miss	T. Cliff House	
			T. Menefee	
		man contract of the contract o	T. Deiet Lecheut	T Elbert
		T. Montoya 33	T. Mancos	T. McCracken
T' San	Andres	Senneon	# 1 1-2010D	_ 1 1908C10 Ot2te
T. Glo	orieta	T. McKce	Base Greenhorn	T. Granite
T. Pad	ddock	T. Ellenburger	T. Dakota	. T.
			T. Morrison	
			T. Todilto	
			T. Entrada	
			T. Wingate	
			T. Chinle	
			T. Permian	
			T. Penn "A"	
			OR GAS SANDS OR ZONES	
No i in	TO TO		No. 4, from	*0
No. 2, fro	om	to		
Vo. 3. fr	om	·····•	No. 6, from	to
,				***************************************
		1 MP	ORTANT WATER SANDS	
			•	
	data on rate of w	ater inflow and elevation to which w		
			_	
	om	······································	lect	. The Contract with the set of a partic survey or a capabane to the set of a capabane set of set
Vo. 1, fro				•
io, 1, fro	om		feet	·
vo. 1, fro	om			·
Vo. 1, fro Vo. 2, fro Vo. 3, fro	om	to	feet	·
Vo. 1, fro Vo. 2, fro Vo. 3, fro	om	toto	feet	·
To. 1, fro To. 2, fro	om	toto		·
No. 1, fro No. 2, fro No. 3, fro	om	FORMATION RECORD		·
Vo. 1, fro Vo. 2, fro Vo. 3, fro Vo. 4, fro	om	FORMATION RECORD	feet	
Vo. 1, fro Vo. 2, fro Vo. 3, fro Vo. 4, fro	om	FORMATION RECORD	Attach additional shoots if nocessory) From To Thickness	

l - File

STATE OF NEW MEXICO P. O. BOX 2018
ENERGY AND MITTERALS DER PRIMENT SANTA FE, NEW MEXICO 87501

1 - EPNG, Clark Revised 10-1-78

MULTIPOMT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type leat	∏ Initial] Annual		Specie	al 7-8				
Company Jer	ome P. Mo	:Hugh	Connection	n ·						,
Pool Sou	ıth Blanco		Formation Pic	ctured	Cliffs			Ur.II		annen en
Completion Dat	6	Total Depth	, _ , _ l ,	Plug Back	k TD	Elevatio	n	Furm or	Lease Nan	10
6-2	7-81	3260	' GL		3248' GL	71	77' GL	Jo A	<u>Ann's J</u>	ewe l
Caq. Size	W1,	1, 1	Set At	Perforation			_	į.		
4111 Thy. 6120	10.5	4.052	3250' GL	Perforation Perforation	3163	τ° 32	36'	#3 Unit	Sec.	Twp. Rue.
-	ĺ	1		l	open end	То		.1		4N 2W
Type Well - Sind	ule - Bradenhe	1.380 d = G.G. or G.O.	Multiple Multiple	L	Pocker Set A	41	******	County		4WZW
single						•		_Rio_A	Arriba	
Froducing Thru	Rese	rvotr Temp. *F	Mean Annual	Temp. *F	Bato, Press.	Pa		State NM		
tubing	,	6								
f.	Н	Ca	% CO 2	% N 2	% F	125	Prover	Mater F	lun	Laba
		LOW DATA			T 7110111	CDATA		1	^=	
Prover			Dill.	Temp.	Press.	G DATA		SING D	Temp.	Duratten
NO. Line Size	X Size	p.s.i.g.	h _{v/}	*F	p.a.i.g.	.t	p.s.	1	• Ł	Flow
SI		1			879	65	87	9,	65	7 days
1.										
2.									·····	
3. 3/4" 4.	pas. chak	e 139	ļ			65	46	2,	65	3_hrs
			4							
5.			PATEO	E EL OW	CALCULA ⁻	TIONS				1
	—————				v Temp.	Gravity	9	uper	T	
Coellic	1 .	$-\sqrt{h_{\mathbf{w}}P_{\mathbf{m}}}$	Presoure	1	octor	Factor	1	npress.	1	e of Flow
VO. (24 Ho	out)		P _m		Ft.	Γq	Faci	lor, Fpv		O, McId
1										
2.				•					 	
3. 12.368 4.			151	99	952	9837		1.01	184	6.59
5.					100	TIME			 	
	- hi	GISIIV		Liquid Hys	dro o O	TITU.	-			Mc[/bb].
10. Pr		(C)K-IF	М. Р.	I. Gravity	dro con q o Livia Hydi	rocorbons				Deg.
1.		JUL 2 3 19	soa III khaa	die Cenut	u BandrotoreCo	1 7 190'	•		\xxxx	XXXXX
2.		002 % 0 16	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Hic Gravit	os Liquid Hydr y Separator Co y Clowing Flu	MM. CON	<u> </u>		ļ	
3. 4.	OIL C	JUL 23 15 ONSERVATION SANTA F	4 DIVISION"	ical Pressu	JOIL O	11ST. 3	/	P.S.I.A.	 	P.S.I.A.
5		SANTA F	E	cat temper	ratur				<u></u>	н
F _c 89]	F_c^2 793.	88]		p 2		1 20	Γ	D 2	7 n	7 22
10 P ₁ 2	P.,	P _e P _e	$\frac{2}{-P_{\nu}^2}$ (1).	'c	F	1.39	(2)	2 52	n =	1.33
				15" - 16			L 18	- W		
2	474	004 676 57	0.005	г	-2 ¶n	•	0.450			
3	474	224,676 57	9,205 AOF	* Q		=	2450	•		
<u> </u>				L	₽ ₽.]					
		241				The state of the s	Allegge, by Million Art Australia (1988)	to The contract of the contrac		OF
Absolute Open F	low	24!	JU	Mcfd 6	7 15.025 An	gle of Slope	0		_ Slope,	. 85
temarket	dry ga	12					-			
******************************		Personal market and a section of the						······································		
Approved by Div	10101	Conducted	(1v)		Calculated By	· · · · · · · · · · · · · · · · · · ·	10	hecked is	Y1	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Anders		- 3,		nderson		•	

seeby certify that the information a		TA FE	ge and belief.	PATE	6-29-81
	OIL CONSERVA	TA FE		OIL CON.	-MOC
scribe Proposed or Completed Op vk) see RULE 1103. See reverse	erations (Clearly state all pe				
RM REMEDIAL WORK	PLUG AND ABA	COMMENCE D	ork ORILLING OPNS. FAND CEMENT JQB Completion		NG CASING [
	Appropriate Box To In	dicate Nature of N		Other Data NT REPORT OF:	
	15. Elevation (Sha 7177' GL	ow whether DF, RT, GR,	etc.)	12. County Rio Arriba	
East LINE, SECTION	DNTOWNSHIP	24N RANGE	2W		
	5201 FEET FROM THE	South LINE AND	18501 PEET FR	S Blanco	P.C. ext.
•	Farmington, NM &	37401		#3	ol or Wildcat
Jerome P. McHug	ıh			Jo Ann's	
ELL XX GAS WELL	OTHER-			8. Form or Lease	
LOO NOT USE THIS FORM FOR PRO	RY NOTICES AND REPO DPOSALS TO DRILL OR TO DEEPE 10H FOR PERMIT _" (FORM C-1	N OR PLUG BACK TO A DIFF	PERENT RESERVOIR,	7, Unit Agreemen	
]		·	5. State Oil & Ga	s Lease No.
ROTARES		• .		5a. Indicate Type State	Foe [
U.S.G.S.	3	E, NEW MEXICO	87501		Revised 10
LAND OFFICE	SANTA F	P. O. BOX 2088			N d = = d 10.

IDITIONS OF APPROVAL, IF ANY:

JEROME P. McHUGH Jo Ann's Jewel #3 Page 2

6-23-81 Shut down

6-24-81 Shut down

- Rig up Western Co. and spot 250 gals 7½% HCL from 3248' to 2900' GL. Move in and rig up MTK Inc. Rig #2. P.O.O.H. w/ tbg. Rig up Jetronics Inc. and run GR-CCL correlation log from 3242' to 2250' GL. Perforate Pictured Cliffs formation using 3-1/8" hollow carrier dual-fire gun at 3163, 65, 67, 69; 3224, 26, 28, 30, 32, 34, 36' GL w/l jspf for a total of 11 holes.
- 6-26-81 Rig up Western Co. and Foam Frac Pictured Cliff Formation using 70% $\rm N_2$ foam as follows:

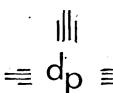
7,500 gals Foam pad 10,000 gals Foam w/ 1#/gal. 20-40 sand 20,000 gals Foam w/ 2#/gal 20-40 snad 2,150 gals Foam flush

Total sand: 50,000 #'s 20-40 mesh Total Fluid: 944 bbls (281 bbls. water, 100 gals Adafoam, 368,550 SCF $\rm N_2$) Treating Press: Max. °1400 psi, Min ±1250 psi, Ave 1400 psi ISDP ±1000 psi, 10 min shut-in press ±950 psi Ave. Injection Rate 24 blm

Well opened to atmosphere at 2:15 p.m.

6-27-81 Picked up production string of tubing, tagged sand at 3238'.
All perfs open. Ran 99 joints of 1½", 2.4#, V-55, 10 Rd, EUE tubing.
T.E. 3207.57' set at 3206' GL. Well making approx. 850 MCF/day of dry gas. Shut in for test.

P. O. BOX 2088 FORM C-103 Revised 19- SANTA FE, NEW MEXICO 87501 Sa. Indicate Type of Lease State Fee [S. State Oil & Gas Lease No. SUNDRY NOTICES AND REPORTS ON WELLS [Bo NOT USE THIS FORM FOR PROPOSALS TO PRILL ON TO DEFPEN ON PLUE SACE TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 7. Unit Agreement Name 8. Farm or Lease Name Je rome P. McHugh Jo Ann's Jewel	Y AND MINERALS DEPARTMEN	•	1 - McHugh 1 - File	1 - E1 Paso Expl.
SANTA FE, NEW MEXICO 87501 Santa Fe, New Mexico 87501 Santa Fe, New Mexico 87501 Santa Fe, New Mexico 87501 Santa Fe, New Mexico 87501 Santa Gil Forest Santa Fe, New Mexico 97501 Santa Gil Forest Fe, New Mexico 97	DISTRIBUTION		1	Förm C-103
Sunday Notices Some	HTAFE	SANTA FE, NE	W MEXICO 875/01	Kealzed 13-
Support Suppor	LE	• • • •	7.	Sg. Indicate Type of Lease
SUNDRY NOTICES AND REPORTS ON WELLS SUNDRY NOTICES AND REPORTS ON WELLS SUNDRY NOTICES AND REPORTS ON WELLS TO CONTINUE TO SUNDRY NOTICES AND REPORTS ON WELLS TO CONTINUE TO SUNDRY NOTICES AND REPORTS ON WELLS TO CONTINUE TO SUNDRY NOTICES AND REPORTS ON WELLS TO CONTINUE TO SUNDRY NOTICES AND REPORTS ON WELLS TO CONTINUE TO SUNDRY NOTICES AND REPORTS ON WELLS TO CONTINUE TO SUNDRY NOTICES AND REPORTS ON WELLS TO CONTINUE TO SUNDRY NOTICES AND REPORTS ON WELLS TO CONTINUE TO SUNDRY NOTICES AND REPORTS ON WELLS TO CONTINUE TO SUNDRY NOTICES AND REPORTS ON WELLS TO CONTINUE TO SUNDRY NOTICES AND REPORTS ON WELLS TO SUND AND REPORTS ON WELLS TO SU	1.0.1.		/	· · · · · · · · · · · · · · · · · · ·
SUNDRY NOTICES AND REPORTS ON WELLS TO SET USE THIS CONTROLL TO THE STAND TO THE STAND THE STAN	AND OFFICE		/	
The proposed of Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated dase of starting any proposite from the first and serious conditions. See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81.	PERATOR		. /	3. State Oil & Gas Lease No.
The proposed of Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated dase of starting any proposite from the first and serious conditions. See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81.				- karana
State of Control of Co	SUNDRY SUNDRY FOR FOR PROPERTY SEE TOR BODY USE "APPLICATION	BALS TO DRILL OR TO DEEPEN OR PLUG	BACK TO A DIFFERENT RESERVOIR.	
Jerome P. McHugh P 0 Box 208, Farmington, NM 87401 #3 Lion of will Lion of will East Line, section Township Is. Elevation (Show whether DF, RT, GR, etc.) 71777 Rio Arriba Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: **RIVE AND ANALOGOM ALTERIACOM ALTERIACOM ALTERIACOM ALTERIACOM ALTERIACOM ALTERIACOM ALTERIACOM SEE reverse for report of spud and surface csg 5-30-81 and 44" csg. 6-5-81. **RIVE AND DIVISION OF CERTIFY their the Information above is true and complete to the best of my 'nowledge and belief. **General Completed Specific Complete C	L XX WELL L	OTHER-		
See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81.	•			1
Line, section 17 Township 24N Line, section 17 Rio Arriba Rio Arriba Rio Arriba Rio Arriba Rio Arriba Line, section 17 Rio Arriba Rio Arriba Line, section 17 Rio Arriba Rio Arriba Rio Arriba Line, section 17 Rio Arriba Rio Arriba Rio Arriba Line, section 17 Rio Arriba Rio Arriba Line, section 17 Rio Arriba Line, section 17 Rio Arriba Rio Arriba Line, section 17 Rio Arriba Line, section 17 Rio Arriba Line, section 17 Rio Arriba Rio Arriba Line, section 17 Line, section 17 Rio Arriba Line,	ess of Cperator			
Line, section 17 Tombrine South Line and 1850' Per provided and Pool, or Wildert S. Blanco P.C. ext. East Line, section 17 Tombrine 24N Annex 2W Its, Elevation (Show whether DF, RT, GR, etc.) 12. Cowity Rio Arriba Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: Subsequent Report of: Subsequent Report of: Subsequent Report of: Subsequent Report of: Alterior casine Chance Plans Chance Plans Check Appropriate Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposite Plans See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81. RECEIVED JUN 8 1981 OIL CON, COM- DIST, 3 OVERTIFY that the information above is true and complete to the best of m "Inouledge and belief. 6. 5-91	P O Box 208. I	Farmington, NM 87401		#3
East LINE, SECTION 177 YOURSHIP 24N RANCE 2W IS. Elevation (Show whether DF, RT, GR, etc.) T7777' GL Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: SUBS		unitingeon; in orthor		
Task Line, section 17 Tomeship 24N SANCE 2W TIPE MADE IN THE SECTION (Show whether DF, RT, GR, etc.) 12. County Rio Arriba 12. County Rio Arriba		on' South	18501	i i
Tast Line, section 17 Tomeship 24N Name 2W Number 15. Elevation (Show whether DF, RT, GR, etc.) 12. County 12. County	LETTER	FEET PROM THE	LINE AND FEEY FRO	3. Dianco P.C. ext.
Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: REMEDIAL WORK ALTERING CASING PLUG AND ABANDON CHANGE PLANS CHANGE PLANS	•			
Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: SUBSEQUENT REPO	<i>y</i>			
Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: REMEDIAL WORK PLUE AND ARABOON CHANCE PLANS CHANCE CASING CHANCE PLANS C		15. Elevation (Show whether	DF, RT, GR, etc.)	, , , , , , , , , , , , , , , , , , ,
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: REMEDIAL WORK PLUG AND ABANDON CHANCE PLANS CHANCE PLANS CASING TEST AND CEMENT JOS AND ABANDONMENT CASING TEST AND CEMENT JOS AND OTHER SEE RULE 1103. See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81. See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81. See reverse for report of spud and surface csg 5-30-81 and 6½" csg. 6-5-81.		7177' GL		Rio Arriba
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: REMEDIAL WORK PLUG AND ABANDON CHANCE PLANS CASING FEST AND CEMENT JOS OTHER SEE RULE 1703. See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81. See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81. See reverse for report of spud and surface csg 5-30-81 and 6½" csg. 6-5-81.	Check Ap	propriate Box To Indicate N	Nature of Notice, Report of O	ther Data
REMEDIAL WORK SALTY ARANDON CHANCE PLANS	-			
See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81. See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81. See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81.			302324321	
See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81. See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81. See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81.			acurati was	A. 242
CASING TEST AND CEMENT JOB XX OTHER Libe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed or Complete for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81. See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81. JUN 8 1981 OIL CON. COM. DIST. 3 Prefrilly that the information above is true and complete to the best of my Vnowledge and belief.	Ħ	PLUE AND ABANDON		
See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81. See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81. See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81.	\vdash			PLUG AND ABANDOHMENT
the Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed in the latest of the best of the best of the Vnowledge and belief. See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81. RECEIVED JUN 8 1981 OIL CON. COM. DIST. 3	ALTER CASING	CHANGE PLANS	KX BOL THEMES DHA TEST DHIERS	:
See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81. JUN 26 1981 JUN 8 1981 OIL CONS.RVATION DIVISION SANTA FE OIL CON. COM. DIST. 3		· •	OTHER	
See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81. JUN 26 1981		L		
See reverse for report of spud and surface csg 5-30-81 and 4½" csg. 6-5-81. JUN 26 1981	the Stoonsed or Completed Open	tions (Clearly state all pertinent dete	ils and sive pertinent dates includin	a setimated data of starting any propo
y certify that the information above is true and complete to the best of my knowledge and belief.		•		
THE SANTA FE OF The life and complete to the best of my knowledge and belief.				
V certify that the information above is true and complete to the best of my knowledge and belief.	See reverse fo	or report of soud and s	urface csa 5-30-81 and	11 ¹¹ asa 6 5 01
SANTA FE Verify that the information above is true and complete to the best of my knowledge and belief.	000 (000) 00	or report or space and s	dirace csy 5-50-61 and	42 CSy. 0-5-81.
SANTA FE Verify that the information above is true and complete to the best of my knowledge and belief. (6. 5. 91)		•		
SANTA FE Verify that the information above is true and complete to the best of my knowledge and belief. (6. 5. 91)		50000		
SANTA FE Verify that the information above is true and complete to the best of my knowledge and belief. (6. 5. 91)		14/2/14/15/15/00		
SANTA FE Verify that the information above is true and complete to the best of my knowledge and belief.		THE TELEPHINE		
SANTA FE Verify that the information above is true and complete to the best of my knowledge and belief.		1111		COLUM
SANTA FE Verify that the information above is true and complete to the best of my knowledge and belief.		JUN 26 1901 11	H	SEL FINEN
OIL CON. COM. DIST. 3 y certify that the information above is true and complete to the best of my knowledge and belief.		()//		KLULIVLU \
OIL CON. COM. DIST. 3 y certify that the information above is true and complete to the best of my knowledge and belief.		OF CONSTRUATION ALL	j	
OIL CON. COM. DIST. 3 y certify that the information above is true and complete to the best of my knowledge and belief.		SANTA DIVISION	,	JUN 8 1981 I
y certify that the information above is true and complete to the best of my knowledge and belief.		THE TOTAL	'	
y certify that the information above is true and complete to the best of my knowledge and belief.			\Q	
6. F. 91			· · · · · · · · · · · · · · · · · · ·	DIST. 3
6. F. 91		-	· ··	
6. 5. 91				
6. 5. 91		•		
6. 5. 91			•	
6. 5. 91	•		·	
6. 5. 91				
6. 5. 91	y certify that the information above	re is true and complete to the best of	my knowledge and belief.	
Thomas A. Dugan Title Agent 6-5-81	,		•	
Thomas A. Dugan TITLE Agent PATE	$-i^{\prime}$, i , i^{\prime} (i) L		·	6-5-81
7	Thomas	A. Dugan TITLE	Agent	
		1		
	· / / / / / / / / / / / / / / / / / / /		SIPERVISOR DISTRICT # 3	.are JUN 8 - 1981



dugan production corp.



JEROME P. McHUGH Jo Ann's Jewel #3

DAILY REPORT

- 5-30-81 Moved in James Drilling rig. Spudded 9-7/8" hole at 10:00 p.m. 5-29-81. Drlg. to 114'. Ran 4 jts. 7" OD 23# K-55, 8R, ST&C csg. set at 110' ground level. Cementers Inc. cemented w/ 50 sx class "B" 2% CaCl. P.O.B. at 4:30 a.m. 5-30-81. W.O.C.
- 5-31-81 1285' Drlg. Wt. 9.0 Vis 33 W.L. 6.8
- 6-1-81 2163 Drlg. Vis 33 Wt. 9.0 W.L. 6.7
- 6-2-81 2625 Trip Vis 34 Wt. 9.2 W.L. 5.2
- 6-3-81 3043' Drilling Wt. 9.1 Vis 34 W.L. 6
- 6-4-81 TD 3260' Mud while drlg. Vis 36 Wt. 9.1 W.L. 8 Conditioned hole for logging Vis 60 Wt. 9.4 W.L. 8 Coming out of hole to log. Welex on location.
- T.D. 3260' Welex ran IES and compensated Density, Neutron & Gamma Ray log. Laid down drill pipe. Ran 81 jts. 4½"

 OD, 10.5#, J-55, 8 Rd, ST&C, U.S.S. csg. Set at 3250'.

 Halliburton pumped 10 bbls mud flush ahead of 150 sx class B 50-50 pos w/ 4% gel, 12½# gilsonite/sx, ½# flocele/sx followed by 75 sx class "B" 12½# gilsonite/sx. Total slurry 360 cu.ft., reciprocated csg. OK. Good circulation till last 4 bbls of displacement. Max press 900 psi.

 P.O.B. at 12:30 a.m. 6-5-81. Rig released.

1505

OIL CON. COM.

EFFGY AND MINISTRUST DEP	111,0	CONSERVATI	ION DIVISION	300	-039-22752 -101 0 10-1-78
DISTRIBUTION SANTA FE FILE U.S.G.S.	SF	P. O. BOX 20 ANTA FE, NEW ME		SA. Indi	Off & Cas Loans No.
DERATOR	ON FOR PERMIT TO	O DRILL, DEEPEN, (OR PLUG BACK	7. Unit	Agreement Samo
Type of Well CIL WILL WILL WILL WILL WILL WILL WILL W		DEEPEN			or Leane Name nn's Jewel No.
Jerome P. Address of Operator P O Box 2	208, Farmington,		Coul	#3 10. Field S. Bl	lanco P.C.
	TER J LO		South	2W NAPES 12. COUN	(((((((((((((((((((((((((((((((((((((((
			3250 t F	Pictured Cliffs	22. Hotary or C.T. Rotary
. Lievations (Show whether DF 7177 t		· · · · · · · · · · · · · · · · · · ·	THE DEPLOY CONTROCTOR AMES Drilling CO CEMENT PROGRAM	1 1	prox. Data Work will start une 1, 1981
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT		SACKS OF CEMEN	EST. TOP
12-1/2"	8-5/8"	24#	90'	60 sx	
6-1/4"	4-1/2"	10.5#	3250 '	25 sx	above P.C.
to TD, selectivon production. Well head equip	vely perforate, property Plan to use hydroment: 1000# wor	P.C. Formation. frac, clean out draulic bag-type orking pressure, APPROVAL FOR TO THE DRILLING COM	after frac, run e BOP. non-flanged. VALID UNIESS	e, plan to run no tubing and pu	ut well
BOVE SPACE DESCRIBE PR JOHE, SIVE BLOWOUT PREVENTS	TOPOSED PROGRAMITY P	PROPOSAL IS TO DEEPEN ON	PLUS BACK, SIVE DATA ON	PREBENT PRODUCTIVE TO	ME AND PROPOSED NEW PRODUC-
reby cartify that the information	on baye is the ord comb	plets to the best of my kny:	wledge and Delivi,		
13	lerome P. McHugh	/) /	Agent	Dose	5-4-81

STATE OF NEW MEXICO

OIL CONSERVATION DIVISION P. O. BOX 2088

VERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-78

Leave Leav			All distances must be for	rom th	se outer bounderles of	the Secti	on.		
Letter Section Township 17 24 North 180 2 West 2 West 1520 162 162 163 164 165 1	rator		•	Lea	50				Well No.
Letter Section Township 17 24 North 180 2 West 1810 Arriba	Jerome P.	McHugh		Jo	Anahos Jewel	•			3
1850 South Internal 1850 Internal 18	Letter		Township		Range	County			,
1850 South Internal 1850 Internal 18	J	17	24 North		2 West	R	io Ar	riba	, ,
1520 test from the South the and 1850 test from the East the Miller Producing Formation Pool 1850 test from the East 1850 test	ual Factore Loc	1 - 1				L			
Desicated Accessory 7177 S. Blanco P.C. Desicated Accessory 160 Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). NA 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 If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division. CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my production Corp. Dota Total CON. COM. Agent Company Dugan Production Corp. Dota 1 hereby certify that the information contained herein is true and complete to the best of my production corp. The contained herein is true and complete to the best of my production corp. The contained herein is true and complete to the best of my production corp. The contained herein is true and complete to the best of my production corp. The contained herein is true and complete to the best of my production corp. The contained herein is true and complete to the best of my production corp. The contained herein is true and complete to the best of my production corp. The contained herein is true and complete to the best of my production corp. The contained herein is true and complete to the best of my production contained herein is true and complete to the best of my production contained herein is true and complete to the best of my production contained herein is true and contained herein is true		C -	uth	16	350			Fact	
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). NA 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						from the	<u> </u>	Lusi	
1. Outline the acreage dedicated to the subject well by colored pencil of hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? 3. Yes No If answer is "yes," type of consolidation 3. If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) 3. No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division. 3. CERTIFICATION 4. Agent 4. Agent 5. Agent 6. Agent 6. Agent 7. Agent 8. Agent 9. Agent 1. Agent 1. Agent 1. Agent 1. Agent 8. Agent 1. Agent 1. Agent 8. Agent 1. Agent 1. Agent 8. Agent 1. Agent 8. Agent 1. Agent 8. Agent 8. Agent 9. Agent 1. Agent 2. Agent 2. Agent 3. Agent 3. Agent 4. Agent			3	Pool					· ·
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). NA 1. 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?	11//	Pictur	ea Ciitts		S. Blanco P.C	<u>' • </u>			160 Acres
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division. CERTIFICATION I hereby certify that the information contained herein is two and complete to the best of my knowledge and belief. Name Jerome P. McHugh Jr. Name Jerome P. McHugh Jr. Name Journal Production Corp. Date 5-4-81 I hereby certify that the information contained herein is two and complete to the best of my knowledge and belief. I hereby certify that the information contained herein is two and complete to the best of my knowledge and belief. Name Jerome P. McHugh Jr. Name Jerome J. RISEN Agent Company Dugan Production Corp. The state of the second of the free contains and the second of the second of the free contains and the second of the second of the free contains and the second of the free contains and the second of the second of the free contains and the second of the second	 If more the interest and If more that 	an one lease is droyalty). NA	dedicated to the well	, out	line each and iden	atify th	e own	ership tl	hereof (both as to working
MAY 6 1981 OIL CON. COM. DIST. 3 Dist. 3 None Jerome P., McHugh Jr. Nosition Agent Company Dugan Production Corp. Date 5-4-81 1 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. None Jerome P., McHugh Jr. Nosition Agent Company Dugan Production Corp. Date 5-4-81 1 hereby certify that the information contained herein is true and complete to the base of the base of my knowledge on the base of my knowledge of the base	Yes If answer in this form if	No If and state of necessary.)	swer is "yes;" type of wners and tract descr	con iptio	ens which have act	tually b	ated (onsolida 	nunitization, unitization,
MAY 6 1981 OIL CON. COM. DIST. 3 Dist. 3 None Jerome P., McHugh Jr. Nosition Agent Company Dugan Production Corp. Date 5-4-81 1 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. None Jerome P., McHugh Jr. Nosition Agent Company Dugan Production Corp. Date 5-4-81 1 hereby certify that the information contained herein is true and complete to the base of the base of my knowledge on the base of my knowledge of the base									
, ~					L CON. COM. DIST. 3		Pos Com Dat	lerome Strong Jenome Jenome	Production Corp. Production Corp. Production Corp. Production Corp. Production Corp.
Certificate No. 5979							1		Risenhoover, L.S.