El Paso Natural Gas Company

El Paso, Texas

December 30, 1957

DIRECT REPLY TO: P. O. BOX 997 FARMINGTON, NEW MEXICO

Mr. A. L. Porter Secretary and Director Oil Conservation Commission Box 871 Santa Fe, New Mexico



Dear Sir:

This is a request for administrative approval for a well dually completed in the Wildcat Pictured Cliffs Pool and in the Blanco Mesa Verde Pool. The El Paso Natural Gas Company San Juan 28-6 Unit No. 77 (PM) is located 1660 feet from the South line and 1750 feet from the West line of Section 2, Township 27 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico.

This well has been completed in the Point Lookout and Cliff House sections of the Mesa Verde formation and in the Pictured Cliffs formation. Completion has been accomplished in the following manner:

- 1. 10 3/4" surface casing set at 174 feet with 150 sacks of cement circulated to the surface.
- 2. 7 5/8" intermediate casing set at 3445 feet with 250 sacks of cement. Top of the cement is at 2840 feet, which is above the top of the Pictured Cliffs at 3247 feet.
- 3. 5 1/2" liner set from 3353 feet to 5635 feet with 300 sacks of cement.
- 4. The casing and liner were tested for leaks before perforating.
- 5. The Point Lookout section was perforated in three intervals and fractured with water and sand.
- 6. The Cliff House section was perforated in four intervals and fractured with water and sand.
- 7. The Pictured Cliffs formation was perforated in one interval and fractured with water and sand.
- 8. All perforations were cleaned after treatment and completion was accomplished by setting a Baker Model "EGJ" production packer on 2" EUE tubing at 3377 feet with the tubing perforations set opposite the Point Lockout perforations. 1 1/4" EUE tubing was run, with the tubing perforations set opposite the Pictured Cliffs perforations, as a siphon string. The Point Lockout gas will be produced through the 2" tabing and the Pictured Cliffs gas through the casing.

- 9. A Garrett circulating sleeve was installed in the 2" EUE tubing string just below the Pictured Cliffs perforations. This will enable the bottom hole pressure tests to be taken at a future date if so required.
- 10. Initial potential tests have been run and commercial production has been found in both zones. A packer leakage test has been run and witnessed by a member of the Aztec office of the Oil Conservation Commission. This test shows no communication in the well bore between the two producing formations.

Administrative approval is requested for the dual completion to allow production from both known producing formations, eliminating the high initial cost of drilling two separate wells.

El Paso Matural Gas Company, being the only operator of the San Juan 28-6 Unit, has not sought the approval of any other operator to dually complete this well. Enclosed are:

- (a) Two copies of the schematic diagram of the mechanical installations.
- (b) Two copies of the affidavit from the packer setting company stating that the packer used was set at the depth shown.
- (c) Two copies of the packer leakage test as observed by a member of the Oil Conservation Commission.
- (d) Two copies of the initial potential test showing commercial production from the two formations.

It is intended to dedicate the W/2 of Section 2, Township 27 North, Range 6 West to the Mesa V rde formation and the SW/4 of Section 2, Township 27 North, Range 6 West to the Pictured Cliffs formation.

Any further information required will be furnished upon your request. Thank you for your consideration in this matter.

Yours very truly.

ORIGINAL SIGNED E.S. OBERLY

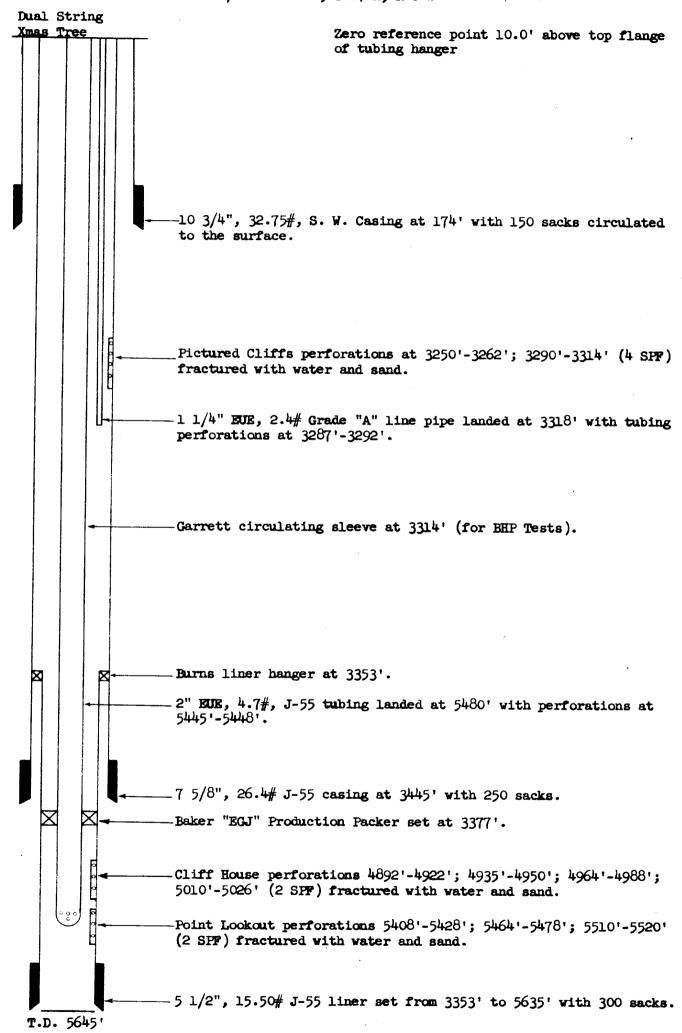
E. S. Oberly

Division Petroleum Engineer

ESO:dgb

cc: MMCCC (Emery Arnold) Sam Smith
USGS (Phil McGrath)

SCHEMATIC DIAGRAM OF DUAL COMPLETION EL PASO NATURAL GAS SAN JUAN 28-6 UNIT NO. 77 (PM) SW/4 Section 2, T-27-N, R-6-W



I, Mack M. Mehaffey, being first daly sworn upon my oath depose and say as follows:

I am an employee of Baker Oil Tools, Inc., and that on Hovember 1, 1957, I was called to the location of the El Paso Matural Gas Company San Jaan 26-6 Unit Ho. 77 (FM) Well located in the HESW/4 of Section 2, Township 27 Horth, Hange 6 West, H.M.P.M., for advisory service in connection with installation of a production packer. In my presence, a Baker Model "HGJ" Production Packer was set in this well at 3377 feet in accordance with the usual practices and customs of the industry.

Mack M. Mahoffry

Subscribed and sworn to before me, a Notary Public in and for San Juan County, New Nextco, the 3/ day of $Dee_$, 1957.

Hotary Peblic in and for San Jasa County,

My commission expires February 24, 1960.

STATE OF MEW MEXICO

I, Mack M. Mahaffey, being first daly sworn upon my oath dapose and say as follows:

I am as employee of Baker Gil Tools, inc., and that on Movember 1, 1957, I was called to the location of the El Paso Matural Gas Company San Juan 28-6 Unit Mc. 77 (PM) Well located in the MESW/# of Section 2, Township 27 Morth, Range 6 West, M.M.P.M., for advisory service in connection with installation of a production packer. In my presence, a Baker Model "EGJ" Production Packer was set in this well at 3377 feet in accordance with the usual practices and customs of the industry.

Mark M. Michael Con

Notary Public in and for San Juan County.

the commented expires Mebruary 24, 1960.

EL PASO NATURAL GAS COMPANY

P. O. Box 997 Farmington, N.M.

December 17, 1957

Mr. E. C. Arnold Oil Conservation Commission 120 East Chaco Aztec, New Mexico

> Packer Leakage Test on the El Paso Natural Gas Company Well, San Juan 28-6 No. 77 (PM), 1660'S, 1750'W, Sec. 2-27N-6W, Rio Arriba County, N.M.

Dear Mr. Arnold:

The subject well was dually completed in the Pictured Cliffs and Mesa Verde zones and a packer was set at 3377 feet. The Mesa Verde zone was tested through a 3/4" choke for three hours December 5, 1957 with the following data obtained:

Pictured Cliff SIPC - 1035 psig; shut-in 9 days

Pictured Cliff SIPT - 1035 psig

Re:

Mesa Verde SIPT - 942 psig; shut-in 9 days

Time Minutes	MV Flowing Pressure Tubing Psig	PC SIPC Psig	MV Working Pressure, Psig	Temp ° F
15	359	1039		5 8
30	341	1040		5 9
45	32 0	1040		60
60	30 5	1040		60
120	268	1042		62
18 0	247	1042	Calculated 283	6 2

The choke volume for the Mesa Verde was 3087 MCF/D with an A.O.F. of 3328 MCF/D.

The Pictured Cliffs zone was tested December 12, 1957 with a 3/4" choke for three hours with the following data obtained:

Pictured Cliff SIPC - 1063 psig; shut-in 16 days

Pictured Cliff SIPT - 1063 psig

Mesa Verde SIPT - 971 psig; shut-in 7 days

Time Minutes	PC Flowing Pressure Casing Psig	MV SIPT Psig	PC Working Pressure, Psig	Temp ° F
15	390	971		48
30	287	971	301	5 2
45	214	970	•	5 3
60	184	970	201	54
120	147	970	162	55
180	132	.970	145	55

The choke volume for the Pictured Cliffs test was 1717 MCF/D with an A.O.F. of 1749 MCF/D.

The results of the above tests indicate there is no packer leakage.

Very truly yours,

R. R. Davis

R. R. Davis Gas Engineer

RRD/jla

cc: W. M. Rodgers

E. S. Oberly (6)

File

EL PASO NATURAL GAS COMPANY GAS WELL TEST

Date:

Mr. Ed E. Alsup To:

December 5, 1957

From: Gas Engineering Department

Place: Farmington, New Mexico

DUAL COMPLETION

Subject:

Test data on the El Paso Natural Gas Company Well, SAN JUAN 28-6 UNIT NO. 77 (M), Rio Arriba County, N.M.

R. R. Davis

Tested By: ,1660'S, 1750'W 6W Location Sec. 27N 2 SIPC 1035 psig P.C. ; (Shut-in_ SIPT P.C. 1035 psig Shut-in 9 days 942 psig. M.V. SIPT 3087 MCF/D @ 14.7 psid and 60° F. for 0.6 gravity gas. Flow through tubing for 3 hours. MCF/D Calculated = 504 Working Pressure On Producing Formation..... Mess Verde Stimulation Method...... Sand Water Frac. Field Blanco H₂S Sweet to lead acetate. Final SIPC (PC) - 1042 psig

cc: D. H. Tucker

Bill Parrish

178-W-#4-h-+

Dean Rittmann

+W-17- #1-11-1-

Samuel Smith

4G-DH-1/4H-4-

E. S. Oberly (6)

W. M. Rodgers

Wayne Cheek

D. N. Canfield

Drilling Department

Heavy fog for 15 minutes. Light fog remainder of test.

B. D. Adams

Hitotahat #tababita

Jack Purvis

14h PH 116HH +

C. C. Kennedy

E. J. Coel, Jr.

A. J. Dudenhoeffer

File

Company Location 1660'S, 1750'W, Sec. 2-27-6 Formation Mesa Verde		San Juan 28-6 Unit No. 77 (M)					
		County Rio Arriba	State				
		Pool	New Mexico				
Casing: Diameter 7-5/8	Set At: Feet 3434	Tubing: Diameter	Set At: Feet 5495				
Pay Zone: From 4892	T• 5520	Total Depth: 5645	177)				
Stimulation Method Sand Wate:	r Frac.	Flow Through Casing	Flow Through Tubing				

Choke Size, Inches		Choke Constant:	С			
.750		12.365		5-1/2" liner - 33	50 _ 5/	(ze
Shut-in Pressure, Casing, 1035 PC	PSIG	- 12 = PSIA 1047	Days Shut-In	Shut-In Pressure, Tubing 942 MV	PSIG	+ 12 = PSIA
Flowing Pressure: P	PSIG	+ 12 = PSIA 259		Working Pressure: Pw	PSIG	954 + 12 = PSIA
Temperature: T	۰F	n =		Calculated Fpv (From Tables)		516 Gravity
62		.750		1,028		680

Final SIPC (PC) - 1042 psig. Packer at 3377. Sleeve at 3314

CHOKE VOLUME = Q = C x P, x F, x Fg x Fpv

Q = 12.365 x 259 x .9981 x .9393 x 1.028 = 3087 MCF/D

OPEN FLOW - Aof = Q
$$\begin{pmatrix} 2 \\ P_c \\ P_c - P_w \end{pmatrix}$$

Aof = $\left(\begin{array}{c} 910,116 \\ 643,860 \end{array}\right)^n = 1.4135 \cdot 75 \times 3087 = 1.2960 \times 3087$

Aof 4001 MCF/D

TESTED BY R. R. Davis the test. WITNESSED BY_____

cc: E. S. Oberly (6)

Heavy fog for 15 minutes. Light fog remainder of

EL PASO NATURAL GAS COMPANY GAS WELL TEST

To: Mr. Ed E. Alsup

From: Gas Engineering Department

Date:

December 13, 1957

Place: Farmington, New Mexico

DUAL COMPLETION

Subject:

Test data on the El Paso Natural Gas Company Well, SAN JUAN 28-6 UNIT NO. 77 (P), Rio Arriba County, N.M.

Tested By:

R. R. Davis

Location	. Sec.	2	т.	27N	R.	6 w	,1660' s,	1750'W
Shut-In Pressure P.C. P.C. M.V.	STPT	971 ns	ıίσ.	Shut-	ln 7		/s)	
0.750'' Choke Volume	· 171	7 MCI gas. Flow	F/D @ 1 through	4.7 psia or	nd 60°	F. for 0.6 or 3 hours.		
Calculated 3 Hour Absolute Open Flow	. 174	.9 MC	F/D					
Working Pressure On tubing	.= 14	5 Psi	g					•
Producing Formation	· Pic	tured (Cliff	8				
Stimulation Method	San	d Water	r Fra	c.				
Total Depth	. 564	5						
Field	· U nd	esignat	ted	,				
н ₂ \$	· Swe	et ^{to l}	ead ace	tate.				

Final SIPT (MV) - 970 psig

cc; D. H. Tucker

Bill Parrish

+++++++

Dean Rittmann Samuel Smith

AT PI Walter

E. S. Oberly (6)

W. M. Rodgers

D. N. Canfield

Wayne Cheek

Drilling Department

B. D. Adams

4Rphand Hamblin

Jack Purvis

414 N. H4184 1

C. C. Kennedy

E. J. Coel, Jr.

A. J. Dudenhoeffer

File

L. D. Galloway

NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

(Form C-104) Revised 7/1/57

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Cas must be reported on 15.025 psia at 60° Fahrenheit.

						Farmingt (Place	on, New 1 :)	Sexieo	Jame	ery.13,1958 (Date)
E ARE	HERE	BY RE	EQUESTI	NG AN ALLOWA	BLE FO	OR A WEL	L KNOWN	AS:		
. Pasc	Natu	ral G	-	my San Juan		.Unit., Wel			n	½
				, T. 27N , P	6 W	, NMP	1.,Blar)CQ	*****************	Pool
o Arr	iba			County. Date S	pudded	9-17-5	7 Da	te Drilling	Completed	10-13-57
			ocation:	Elevation 648	5 'G		Total Depth	5645		C. 0. 5590
- 			 _	Top Oil/Gas Pay_	4892		_Name of Pro	d. Form	Hesa Ye	rde
D	С	В	A	PRODUCING INTERV	AL 7489€	2-4922, 4	935-50; l	1964-88;	5 01 0e26;	5408-28;
E	F	G	H	Perforations	Hone	+ (O))) <u>1</u>	Depth Casing Shoe	5644	Depth Tubing	5505
				OIL WELL TEST -						
L	X	J	I	Natural Prod. Te						Choke min. Size
M	N	0	P	Test After Acid						qual to volume of Choke min. Size
1				GAS WELL TEST -				_		
Knia	1750							6 1. 1	Ch also	Ct
										Size
			nting Recor		-					
Size	- -	Feet		┪	_					flowed3
10 3/	4"]	162'	150	Choke Size 3/4	Metho	od of Testing	. Calcul	ated AC		
7 5/	8" 3	+34	250	Acid or Fracture						
5 1/	2" 22	262	300	sand): 64,000 Casing Press.	Tubing Press	942 oil	first new run to tanks	EDGI OS	TIN SET	vater & 60.0
2"	5:	505		Oil Transporter_	n.	Paso Hata	iral Gas	Producti	k Co. 📝	
11/	4" 3	308		Gas Transporter	R1.	Paso Hata	tral Gas	Company	4_	
lemarks	:	Baker	· "KJ"	Oil Transporter_ Gas Transporter_ Packer @ 3377	J. Gazz	- rett-Slee	re- 6-3314	*******	19	
							**************		·····-	Service Control
							***************************************			O'Y'
	reby ce	rtify th	at the info	ormation given abo	ve is tru	ie and comp	lete to the b	est of my k	nowledge.	
Approve	d	PERC D 4	1330	·	19	K	L.Paso.Ma	(Company o	r Operator)	
	OIL C	ONSEF	RVATION	COMMISSION		Ву:	Urig nal S	Signed D. (Signa	C. Johns	to n
O ₁	riginal	Sign	ed Eme	ry G. Arnold	•••••	Title	Petroleum			wall to:
•							E. S. O		ns regarding	well to.
						Name		•••••		
						ممصدادات	Box 99	. Farmi	ngton, Ne	v Nexico

NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

(Form C-104) Revised 7/1/57

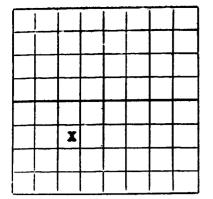
REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

			Farmington, New Mexico Jamuary 13, 1958 (Place) (Date)
VE ARE E	HEREBY R	EOUESTI	NG AN ALLOWABLE FOR A WELL KNOWN AS:
			Dany San Juan 28-6 Unit, Well No. 77 (PM) in NE. 14 SW 14,
(Co	mpany or Ope	erator)	(Lesse)
Unit L	Sec.	2	T. ZIM , R. 6W , NMPM., Wildcat Pool
tio Arri	lbe.		County. Date Spudded 9-17-57 Date Drilling Completed 10-13-57
Plea	se indicate k		Elevation 6485 G Total Depth 5645 Exec. 0.T.D. 5590
- N - I	C B	1 1	Top Oil/Gas Pay 3250' (Perf.) Name of Prod. Form. Pictured Cliffs
D	C B	A	PRODUCING INTERVAL -
			Perforations 3250-62; 3290-3314
E	F G	H	Depth Depth Open Hole None Casing Shoe 3145 Tubing 3308
			OIL WELL TEST -
L	K J	I	Choke Natural Prod. Test:bbls.oil,bbls water inhrs,min. Size
1	(1.	Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of
M	N O	 P 	Choke load oil used):bbls.oil,bbls water inhrs,min. Size
5010 1	7501:		GAS WELL TEST -
60's, 1	.750'W		Natural Prod. Test: MCF/Day; Hours flowedChoke Size
- •	sing and Come		
Size	Feet	Sax	Test After Acid or Fracture Treatment: 1749 MCF/Day; Hours flowed 3
10 3/4"	162'	150	Choke Size 3/4" Method of Testing: Calculated A.O.F.
7 5/8"	3434	250	Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and
• • • • • • • • • • • • • • • • • • •			46,620 gal. water and 40,000# sand.
5 1/2"	2282	300	Casing 1063 Tubing Date first new Press. oil run to tanks
2 ^H	55051		Oil Transporter El Paso Matural Gas Products Co.
1 1/4"	5505° 3308°		Gas Transporter El Paso Hatural Gas Company
	Beker "T	TLI" Pec	ker @ 3377 - Garrett Elseve @ 3314
emares :		747 X A. 1788	3311 7 GETTE & 3314 .
· • • • • • • • • • • • • • • • • • • •		••••••	/o c 122
T b			sign sign share is true and complete to the best of my knowledge
1 nere	by certify the	5 1958	ormation given above is true and complete to the best of my knowledge
pproved		*************	(Company of Operator 4-01)
0	II. CONSE	VATION	Original Signed D. C. Johnson
			(Signature)
,•			y C. Arnold Title Petroleum Engineer
	ipernisor Dis	t #3	Send Communications regarding well to:
tie	**************************************	***************************************	Name B. S. Cherly
			Box 997, Farmington, New Mexico

MI OONGERY E	gine.	<u>JYM</u> S	NOI2
AZZEC ENE	<u> Jens</u>	OFFICE	
ful Copies Rausi	adi.	5	
-04870:	73471	ON:	
	at an	• 5.	
Operator		2	
		,	
	/		
State Cand Ohice			
· · · · · · · · · · · · · · · · · · ·			
A			



NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE, If State Land submit 6 Copies

AREA 640 ACRES

ction			South	line and			County.
ing Comn		feet from					
e of Drill							:13 , 19 57
ac ar Dim	ing Control	Carrol	l Brillin	g Co.(Rotary),	Chilton Dr	illing Co.(B	able), Cox Brillin
							(eshle
		-					o be kept confidential until
						ormanon given in	o be kept connuctions until
			•				
	20hm		227 }	OIL SANDS OR Z		· • • • • • • • • • • • • • • • • • • •	770a (a)
							5580 (G)
. 2, from				(6) No. !			
. 3, from	502 8	t	,	(6) No. 6	5, from	to	
			IM	IPORTANT WATER	2 SANDS		1 4 4/1/
lude data c	on rate of w	ater inflow and		hich water rose in hol			1011 AN 15 4
. 1. from			to			feet	O,1, CON, 51958
							CON 1958
-							
•							47
, 4, 110m	•••••••••••			•••••••••••••••			,
	·		· · · · · · · · · · · · · · · · · · ·	CASING BECO	RD		
SIZE	WEIGH PER PO			KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
3.42	39.75	, , , , , , , , , , , , , , , , , , , ,	31	00 -			Surface
5/8"	26.40	Men	34	Beker	•		Intermediate
1/2"	15.50	Ketr	22	Beker	•		- Production -
	<u> </u>				*		
			MUDD	ING AND CEMENT	TING RECORD		
SIZE OF	SIZE OF	WHERE	NO. SACKS	METHOD		MUD	AMOUNT OF
HOLE	CASING	SET	OF CEMENT	USED		RAVITY	MUD USED
3/hH	0 3/4" 7 5/8	3445	150 250	Giresiates	_		
3/4"	5 1/2"	3660-564A	300	Sincle Stee			

BECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

		`		USED		•			
tary tools v	were used from	174 fee	et to 5645	feet, aı	nd from		feet to)	fe
ble tools w	ere used from	fee	et to	feet, aı	nd from		feet to)	fe
				CTION					
									-
to Produ	cing		, 19						
L WELL:	The production	on during the first 24	hours was		ba	rrels of liqu	id of which.		% w
	was oil:	% wa	as emulsion:		% wate	r: and		% was sadis	nent A D
		s (, 14 2), s 2 , s 3 s .			, , , , , , , , ,		4.7) 1.74		ikitti A.I
	Gravity	3 m	P.C. 1	749		are en a la comp	ease of the control	rio de la companya d	
S WELL:	The production	on during the first 24	hours was the	001	M.C.F. p	lus	9.0.	1717	barrels
	liquid Hydro	arbon. Shut in Press	A SALA MINISTRA	Marketon Street, Str.		de Vela	Boll B. V.	3007	/ D
noth of Ti	ma Shint in 9	Begrs (NEV); 16	Bars (PC)	4	•		,		
					•	A.		** 4	
PLEASE	INDICATE E	SELOW FORMATIO		FORMAN	CE WIT	H GEOGR	APHICAL S	ECTION OF	STATE)
		Southeastern Nev					Northwes	tern New Me	xico
		, ,,	T. Devonian				Ojo Alamo		592
***			T. Silurian				Kirtland		68
						-	D' - LOUG		Leg
			T. McKee		•		Pictured Cliff Menefee		68 4
			T. Ellenburger					55	10
			T. Gr. Wash					55	_
San And	res		T. Granite						
Glorieta	* *************************************		т			* * *			
Drinkard	······	***************************************	T			т.			
			Т				laris	33	14.
			т	•		т.	CLIFF B	140 <u></u> 141	92
			T						
M188			T			т.			
			FORMATIC	N RECO	KD	.	<u> </u>		
om	To Thickness	Form	nation	From	То	Thickness in Feet		Formation	
-	2592	The to ever a	er-era se inte	-	-/				
	58 76	Oje Alamo a	. Water er-e	8.	4/55				
18 30	382	Kirtland for	m. they she in		A W/t	light gra	fine-gr	1 60.	
NO SE	न 191	PARTITION A	ner est on	a, seut	rezed	ceals,	cools as	l cor, ti	di, s
7 330	LA 67	Figure 61	ffa fam. de	-			ر منم المحالية ي	-	
A 16	1978	Lauris formul	den. Ger to t	A cest		V/au	r to the		eka.
30	19 13	CLASS BRAND	88. 927, 23m	-		M1 86.		V S S	
6 55 6 54	50 70	Print Locker	i. Try, Filter			A 400		and the second	
9 36	5 65	Market Corn	stion. Gry co		- 83			in Classes	•
				To	L CO	Jeen.	of the second		1
					Δ7	TEC O	TION CC	MMISSIC	N
				110	Con	ies Raci	TRICT C	FFICE	
			ر المار						_
			5 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 -	3.		LD[ST	TISUTION		
			J , 🕹	100	 .	1	 - ≤ੱਲ ਮ ੩	HED	
		1		مِن إ	rator		/		
		:		Ser	ta l'a		/		-
				1 20	ration :	O ^{re} ce	1 1 1 1 mm		-
		· · · · · · · · · · · · · · · · · · ·		Sta	e Lanc	Cirite ·	• • • • • • • • • • • • • • • • • • • •		
	• • • • • • • • •		Superior State of the State of	11 i .	G: S.		2	, 1 - - - - - - - - - 	
	• 4	<u> </u>	dominia de la composição	+++	Poorte	1	1		<u> </u>
		ATTACH SEPA	RATE SHEET IF	ADDITIO	VAL SP	ACE IS NI	EDED .	31. m - 12. 1 17. 1 -	
I hereby	swear or affirm	that the information	o olyah hamasidah is	COMPLE	nd co	ct page of the	lba	- J	
in be det	ermined from a	vailable records	. given nerewith is a	com picte (corr e	- record of	the well and	an work done	on it so i
• TVT	. राज्याच्या श ी			10 Q 10 M		13, 191	6		
	Operator.	Al mail in the	<u></u>	بالنابال بالار		14.	<u> </u>	· <u></u>	(Date)
idany of (Unerator	THE R. LEWIS CO., LANSING, MICH.	T	Address		. 331 3 8	THE REAL PROPERTY.		
:	Original Ci	gned D. C. Joh							