# STATE OF NEW MEXICO NERGY AND MINERALS DEPARTMENT ;

Doyle Hartman

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

Well Name and No.

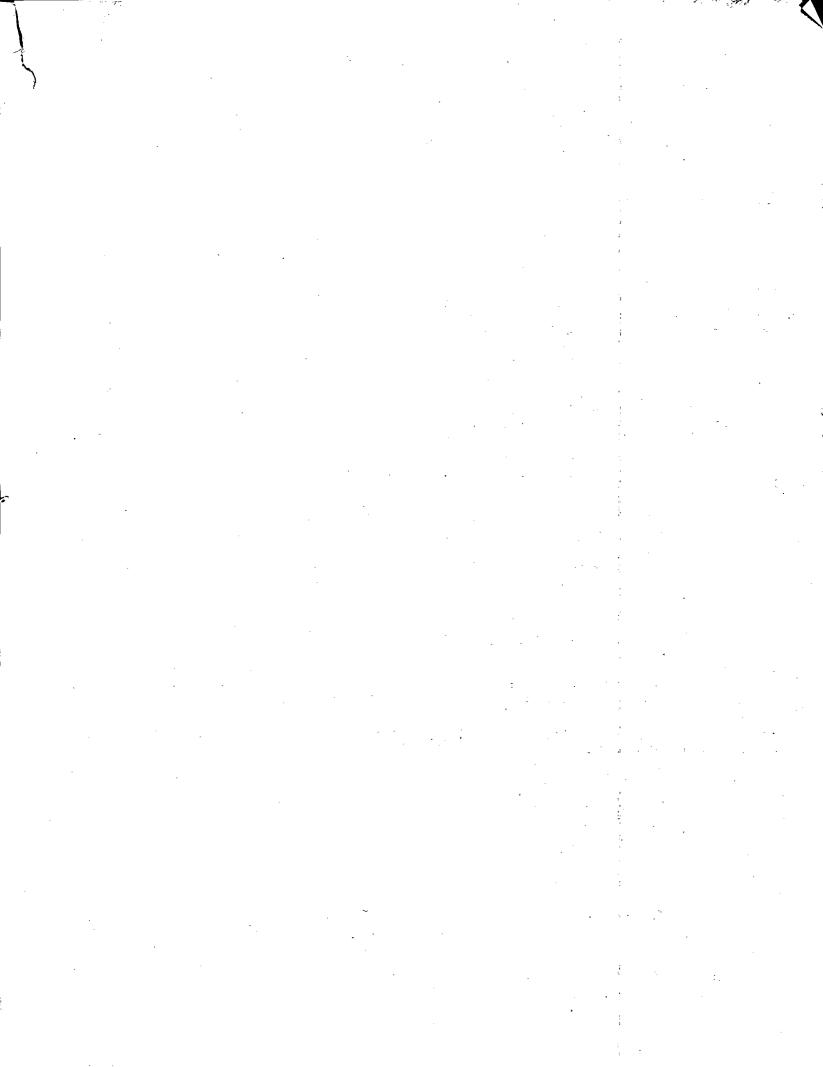
ADMIN	ISTRAT	IVE	ORE	ER
NFL	#81			

... Lankford Well No. 2

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

Wall Name

Location: Unit	G Sec. 25 Tw	p. 23-S Rng.	$^{ m B6-E}$ cty	Lea	
II. THE DIVISION FI	NDS:				·
oursuant to the as a new onshor Infill well is a	on 271.305(b) of the Natural Gas Policy e production well un necessary to effecti n unit which cannot	Act of 1978 provid der Section 103 of vely and efficient	es that, in order said Act, the Di ly drain a portion	for an infill wel vision must find t n of the reservoir	l to qualify hat the
rocedure where	der No. R-6013-A, da by the Division Dire nd that an infill we	ctor and the Divis		empowered to act	
(3) That the w	ell for which a find	ing is sought is o	ompleted in the	Jalmat (Gas)	
	Pool, and the standa		<del>_</del>	المسكون بالمراجع المراجع	acres.
(4) That a	120 -acre	proration unit com	prising the $S/S$	2 NE/4 and NW/4 NI	3/4
	Twp. 23 South				ord
. Well No.	loca	ted in UnitG	of said sect	ion.	
(5) That this approved by Ord	proration unit is ( er No. R-520	) standard (X) non	standard; if nons	tandard, said unit	was previous
(6) That said well(s) on the	proration unit is no unit.	t being effectivel	y and efficiently	drained by the ex	isting
(7) That the d	rilling and completi	on of the well for	which a finding	is sought should r	esult in
the production otherwise be re	of an additional	300,000 MCF	of gas from the p	roration unit whic	h would not
for which a fin	he requirements of ( ding is sought is ne ed by said proration	cessary to effecti	vely and efficien	tly drain a portio	n of the
(9) That in or application sho	der to permit effect uld be approved.	ive and efficient	drainage of said	proration unit, th	e subject
IT IS THEREFORE	ORDERED:				
infill well on for infill dril	pplicant is hereby a the existing prorati ling granted by this ed by said proration ll thereon.	on unit described order is necessar	in Section II(4) y to permit the d	ahove. The author rainage of a porti	ization on of the
(2) · That juris Division may de	diction of this causem necessary.	se is retained for	the entry of such		the
DONE at Santa F	e, New Mexico, on th	is 19th day of	April	, 19 <u>84</u>	
, 1.		VISION	DIRECTOR L	EXAMINER	
			•	v ·	



ATE OF NEW MEXICO AND MINERALS DEPARTMENT .

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

Mahichin Reid 1/27/84 Sushme Soto: Brechality

ADMINISTRATIVE ORDER

NFL #8/

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

THE DIVISION FINDS:  (1) That Section 271.305(b) of the Federal Energy Regulatory Commission Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualitate as a new onshore production well under Section 103 of said Act, the Division must find that the infill well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be so drained by any existing well within that unit.  (2) That by Order No. R-6013-A, dated February 8, 1980, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.  (3) That the well for which a finding is sought is completed in the Jalmat (Gas)  Pool, and the standard spacing unit in said pool is 640 acres 104 and 104 and 105 acres 105 ac
THE DIVISION FINDS:  (1) That Section 271.305(b) of the Federal Energy Regulatory Commission Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualities a new onshore production well under Section 103 of said Act, the Division must find that the Infill well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be so drained by any existing well within that unit.  (2) That by Order No. R-6013-A, dated February 8, 1980, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.  (3) That the well for which a finding is sought is completed in the Jalmat (Gas)  Pool, and the standard spacing unit in said pool is 640 acres acres of Sec. 15 , Twp. 23 South , Rng. 36 Fast , is currently dedicated to the Lankford (Mell No. 10 located in Unit 6 of said section.  (5) That this proration unit is () standard () nonstandard; if nonstandard, said unit was previous proved by Order No. R-520
(1) That Section 271.305(b) of the Federal Energy Regulatory Commission Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualities a new onshore production well under Section 103 of said Act, the Division must find that the infill well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be so drained by any existing well within that unit.  (2) That by Order No. R-6013-A, dated February 8, 1980, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.  (3) That the well for which a finding is sought is completed in the Jalmat (645)  Pool, and the standard spacing unit in said pool is 640 acres of Sec. 25 , Twp. 23 South, Rng. 36 Fast, is currently dedicated to the Lankford located in Unit 6 of said section.  (5) That this proration unit is () standard (1) nonstandard; if nonstandard, said unit was previous proved by Order No. R-520
pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualities a new onshore production well under Section 103 of said Act, the Division must find that the infill well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be so drained by any existing well within that unit.  (2) That by Order No. R-6013-A, dated February 8, 1980, the Division established an administrative procedure whereby the Division Director and the Division Examiners are empowered to act for the division and find that an infill well is necessary.  (3) That the well for which a finding is sought is completed in the Jalmat (Gas)  Pool, and the standard spacing unit in said pool is 640 acres acres acres acres proration unit comprising the 5/2 NE/H and NULL NE/H acres a
procedure whereby the Division Director and the Division Examiners are empowered to act for the Division and find that an infill well is necessary.  (3) That the well for which a finding is sought is completed in the Jalmat (Gas)  Pool, and the standard spacing unit in said pool is 640 acres  (4) That a /20 -acre proration unit comprising the 5/2 NE/4 and Nully NE/4  of Sec. 25 , Twp. 23 South , Rng. 36 Fast , is currently dedicated to the Lankford well No. 1 located in Unit 6 of said section.  (5) That this proration unit is () standard () nonstandard; if nonstandard, said unit was previous approved by Order No. 1-520
Pool, and the standard spacing unit in said pool is 640 acres  (4) That a 120 -acre proration unit comprising the 5/2 NE/4 and NUIL NE/4  of Sec. 25 , Twp. 23 South , Rng. 36 East , is currently dedicated to the Lankford  Well No. 1 located in Unit 6 of said section.  (5) That this proration unit is () standard (X) nonstandard; if nonstandard, said unit was previous proved by Order No. R-520
(4) That a 120 -acre proration unit comprising the 5/2 NE/4 and NW/4 NE/4 of Sec. 25 , Twp. 23 South , Rng. 36 Fast , is currently dedicated to the Lankford  Well No. 1 located in Unit 6 of said section.  (5) That this proration unit is () standard () nonstandard; if nonstandard, said unit was previous approved by Order No. 8-520
of Sec. 25 , Twp. 23 South , Rng. 36 Fast , is currently dedicated to the Lankford Well No. 6 located in Unit 6 of said section.  (5) That this proration unit is () standard () nonstandard; if nonstandard, said unit was previous proved by Order No. 8-520
of Sec. 25 , Twp. 23 South , Rng. 36 Fast , is currently dedicated to the Lankford Well No. 6 located in Unit 6 of said section.  (5) That this proration unit is () standard () nonstandard; if nonstandard, said unit was previous proved by Order No. 8-520
(5) That this proration unit is ( ) standard $\bowtie$ nonstandard; if nonstandard, said unit was previous proved by Order No. $\frac{R-520}{}$ .
approved by Order No. R-520
(6) That enid averation unit is not heing offectively and efficiently during by the suitable
vell(s) on the unit.
(7) That the drilling and completion of the well for which a finding is sought should result in
the production of an additional $300,000$ MCF of gas from the proration unit which would not otherwise be recovered.
(8) That all the requirements of Order No. R-6013-A have been complied with, and that the well for which a finding is sought is necessary to effectively and efficiently drain a portion of the reservoir covered by said proration unit which cannot be so drained by any existing well within the unit.
(9) That in order to permit effective and efficient drainage of said proration unit, the subject application should be approved.
IT IS THEREFORE ORDERED:
(1) That the applicant is hereb; authorized to drill the well described in Section I above as an infill well on the existing proration unit described in Section II(4) above. The authorization for infill drilling granted by this order is necessary to permit the drainage of a portion of the reservoir covered by said proration unit which cannot be effectively and efficiently drained by my existing well thereon.
(2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.
OONE at Santa Fe, New Mexico, on this day of, 19
DIVISION DIRECTOR EXAMINER

### DOYLE HARTMAN

Oil Operator
500 N. MAIN
P. O. BOX 10426
MIDLAND, TEXAS 79702

(915) 684-4011

March 16, 1984

MAR 201984

OIL CONSERVATION DIVISION SANTA FE

State of New Mexico Energy & Minerals Department Oil Conservation Division Post Office Box 2088 Santa Fe, New Mexico 87501

Attention: Mr. Michael Stogner

Re: Infill Finding
Lankford No. 2
1980 FNL & 1980 FEL (G)
Section 25, T-23-S, R-36-E
Lea County, New Mexico

### Gentlemen:

By letter dated January 25, 1984 (received by the Commission on January 25, 1984,) we requested administrative approval of our Lankford No. 2 as an infill well on the 120-acre Jalmat (Gas) proration unit consisting of NW/4 NE/4 and S/2 NE/4 Section 25, T-23-S, R-36-E, Lea County, New Mexico.

Inasmuch as we have not yet received a finding with regard to our administrative request, please let us know if we can furnish any further information to expedite the finding.

We appreciate your prompt attention to this matter.

Very truly yours,

DOYLE HARTMAN

Michelle Hembree Administrative Assistant

Michelle Hemlere

MH/dm

cc: Campbell, Byrd & Black
P. O. Box 2208
Santa Fe, New Mexico 87501

Attention: Mr. William F. Carr

# DOYLE HARTMAN

Oll Operator
500 N. MAIN
P. O. BOX 10426
MIDLAND, TEXAS 79702

(915) 684-4011 January 25, 1984



State of New Mexico Energy and Minerals Department Oil Conservation Division Post Office Box 2088 Santa Fe, New Mexico 87501

Attention: Mr. Michael Stogner

Re: Administrative Procedure Infill Finding Lankford No. 2 1980 FNL & 1980 FEL (G) Section 25, T-23-S, R-36-E Lea County, New Mexico

## Gentlemen:

Pursuant to Section 271.305 of the Final Rules and Regulations of the Federal Energy Regulatory Commission relating to Section 103 of the Natural Gas Policy Act of 1978, and to Order R-6013-A of the New Mexico Oil Conservation Division, we hereby request an infill finding (NFL) for the above captioned Lankford No. 2 located 1980 FNL & 1980 FEL (G) Section 25, T-23-S, R-36-E, Lea County, New Mexico.

With regard to our request, and in accordance with Order R-6013-A, we submit the following:

- Rule 5
  A copy of approved Form C-101 for the infill well and Form C-102 showing the proration unit dedicated to the well are enclosed.
- Rule 6 The name of the pool in which the infill well has been drilled is Jalmat (Gas) Pool, and the standard spacing unit therefor is 640 acres.
- The number of the Administrative Order approving the simultaneous dedication and 120-acre non-standard proration unit dedicated to the well is SD-84-1.
  - Rule 8 Table 1 attached to William P. Aycock's letter dated January 20, 1984 shows the following:
    - a. Lease name and well location;
    - b. Spud date;
    - c. completion date;

New Mexico Oil Conservation Division January 25, 1984 Page 2

- d. a description of any mechanical problems experienced along with a summary of remedial action(s) taken and the results obtained;
- e. the current rate of production;
- f. date of plug and abandonment, if any, and;
- g. a clear and concise statement indicating why the existing well(s) on the proration unit cannot effectively and efficiently drain the portion of the reservoir covered by the proration.
- Rule 9 Letter dated January 20, 1984 from William P. Aycock submits geological and engineering information sufficient to support a finding as to the necessity for an infill well including:
  - a. formation structure map;
  - the volume of increased ultimate recovery expected to be obtained and a narrative describing how the increase was determined;
  - c. any other supporting data which the applicant deems to be relevant which may include:
    - 1. porosity and permeability factors
    - 2. Production/pressure decline curve
    - effects of secondary recovery or pressure maintenance operations
    - 4. C-104 and C-105 (including Inclination Report)
    - 5. Scout Ticket and Well Log Summary for Doyle
      Hartman's Lankford No. 2 (Infill Jalmat (Gas)
      Well)
    - 6. Scout Ticket and Well Log Summary for Doyle Hartman's Lankford No. 1.
- Rule 10 This application for infill finding is being filed in duplicate with the Santa Fe office of the Oil Conservation Division.
- Rule 11
  All operators of proration or spacing units offsetting the unit for which this infill finding is sought have been notified of this application by certified or registered mail.

We respectfully request that the Commission grant our request for an infill finding pursuant to Order R-6013-A.

New Mexico Oil Conservation Division January 25, 1984 Page 3

Very truly yours,

DOYLE HARTMAN

Michelle Hemline

Michelle Hembree Administrative Assistant

/mh

Enclosures as above

cc: Mr. William F. Carr Campbell, Byrd and Black, P.A. Post Office Box 2208 Santa Fe, New Mexico 87501

## WILLIAM P. AYCOCKAR ASSOCIATES, INC.

减援,正 化邻唑溴磺酸钠

Petroleum Engineering Consultants 308 WALL TOWERS WEST MIDLAND, TEXAS 79701 PHONE 915/683-5721

January 20, 1984

New Mexico Department of Energy and Minerals, Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501

Attention: Mr. Mike Stogner

Subject: Administrative Application for Infill Well Findings

for Doyle Hartman's Lankford No. 2 Well,

Section 25, Township 23 South, Range 36 East,

Jalmat Pool, Lea County, New Mexico

#### Gentlemen:

Application is hereby made for an administrative infill well finding effective with initial gas deliveries for the described well. In accordance with Exhibit "A", Order R-6013-A, the following are furnished:

- Rule 5: Attached are copies of the Forms C-101 and C-102 for the application well.
- Rule 6: The name of the pool in which the infill well has been drilled is the Jalmat Pool, and the standard spacing therefore is 640 acres per well.
- Rule 7: The non-standard proration unit and unorthodox well location and simultaneous dedication were approved administratively by Order SD-84-1 dated October 17, 1983, a copy of which is attached hereto.
- Rule 8: Sections "a." through "f." are included on the attached "Summary of Required Information, Rule 8, Exhibit "A", Order No. R-6013-A.

> Section "g." requires "...a clear and concise statement indicating why the existing well(s) on the proration unit cannot effectively and efficiently drain the portion of the reservoir covered by the proration unit." The Jalmat Pool reserviors beneath the described proration unit were (Prior to the drilling and completion of the "application well") assigned to the Doyle Hartman (Petroleum Corporation of Texas) Lankford No. 1 well, located in Unit G of Section 25, Twp. 23 South, Range 36 East @1650' FS&EL. This well was originally completed December 24, 1949, from Langlie-Mattix Pool open hole between depths of 3485 feet and 3635 feet; the well was dually completed with the Jalmat Pool, between depths of 2955 and 3190 feet, in February, 1950. The Jalmat Pool completion had an absolute potential of 13,700 MCF/D. The last production from the Langlie-Mattix Pool interval was in May, 1959; This well has been a singly completed Jalmat Pool gas well since that time. As of January 1, 1984, the Jalmat Pool completion had produced an accumulated gas volume of 5626.4 MMCF and was producing at a rate of approximately 35 MCF per day.

The observed wellhead shut-in pressures from the pre-existing well and the application well indicate that the pre-existing well was not effectively and efficiently draining the 120-acre proration unit simultaneously dedicated to the preexisting and application wells; because of both the variation in effective permeability and the length of time the Jalmat Pool Yates and Seven Rivers geologic intervals have been produced in the vicinity of the application well, the interpretation of observed static pressures is not straight forward. Doyle Hartman's considerable experience in the Jalmat Pool under contemporary conditions is that, depending upon the degree of formation damage existing subsequent to drilling a well and setting and cementing casing in the well, the most representative initial shut-in wellhead pressures may be observed either immediately after clean up of the initial acid breakdown or after hydraulic fracture treatment. Further, apparent cross flow of gas from less depleted to more depleted intervals within the Jalmat Pool occurs at the same time, and such cross flow effectively substantially reduces the observed pressure. Accordingly, the following pressures were observed for the pre-existing and application wells.

WELL	DATE	OBSERVED SHUT-IN WELLHEAD PRESSURE, PSIA
Lankford 1	July 13, 1982	97.2
Lankford 1*	December 31, 1983	84.4
Lankford 2	January 3, 1984	104.2
Lankford 2**	January 17, 1984	208.2
Lankford 2	January 18, 1984	121.2

<sup>\*</sup>Estimated from prior BHP/Z as function of cumulative gas.

\*\*Peak flowing casing pressure subsequent to unloading fluid after formation gas was produced subsequent to hydraulic fracture treatment. The actual shut-in could be equal to or greater than the observed 208.2 psia

Therefore the wellhead pressures observed while completing the Lankford No. 2 are between 20.0 psia and 123.8 psia greater than the estimated shut-in wellhead pressure at December 31, 1983 for the Lankford No. 1, indicating ineffective and inefficient drainage from the 120-acre proration unit assigned simultaneously to the Lankford No. 1 and the Lankford No. 2.

### Rule 9:

Section "a." requires that a formation structure map be submitted; attached is a Yates formation structure map of that portion of the Jalmat Pool including and immediately surrounding NW/4 NE/4 and S/2 NE/4 Section 25, Twp. 23 South, Range 36 East.

Section "b." requires that the "volume of increased ultimate recovery expected to be obtained and a narrative describing how the increase was determined "be submitted. The estimated ultimate gas recovery for the Doyle Hartman Lankford No. 2 well is at least 127 MMCF and could be equal to or greater than 456 MMCF. The estimates of increased ultimate recovery for the application wells were accomplished as follows:

(1)	Well	logs :	for	the	Hartman	Lá	nkford	No.	2	were	analyzed,	,
	with	result	ts s	summa	arized a	as	follows	3:				

Mean Porosity, Fraction of Bulk Volume 0.173

Mean Connate Water Saturation, Fraction of Net Effective Pore Volume 0.243

Net Effective Pay Thickness, Feet

86.

The gross pay interval consistent with the above is 156', so the ratio of net effective pay to gross pay is 86 divided by 156 or about 55 percent.

The production tests for the Hartman Lankford No. 2 (2) dated January 19 & 20, 1984, were analyzed, with results summarized as follows:

Stabilized Deliverability Coefficient, MCF/day per psia/2

0.126896

0.0214076

Initial Stabilized Wellhead Shut-in Pressure (Pc), psia

121.2

208.2

Initial Gas Formation Volume Factor, scf/rcf

8.103

14.149

(3) The results of steps (1) and (2) were then combined, resulting in the following:

## Original Gas-in-place

MMCF/Acre MMCF/120 Acres	3.98 478	6.95 834	
Est. Gas Rec. Factor, Fcn. of O.G.I.P.	0.631	0.756	
Est. Ult. Recovery, MMCF per 120 Acres	302	631	

The estimated increased gas recovery is then the difference in these estimated remaining gas recovery for the Lankford No. 1 at December 31, 1983

of 174.8 MMCF:

302 -175 127MMCF 631 -175 456MMCF

The economic limit of production based on Doyle Hartman's experience in the Jalmat Pool is about 500 MCF per month.

Section "c." other supporting data submitted include the following:

Gas Production History Tabulation and Graph for both Doyle Hartman (Petroleum Corporation of Texas) Lankford No. 2, (the pre-existing well), and the Conoco Lynn "B"-25 No. 1 located in unit (J) 25-23S, 36E (the nearby key well).

Complete New Mexico Oil Conservation Division (NMOCD) forms on file for both the pre-existing and application wells.

New Mexico Oil Conservation Division Order No. SD-84-1

Daily drilling reports for the period January 18-20, 1984.

We believe that this information adequately documents this application; however, we should be pleased to supply you anything else that you might require in this connection.

Very truly yours,

Wm. P. Aycock P. E.

WPA/vkf Attachments

# TABLE NO. 1

# SUMMARY OF REQUIRED INFORMATION, RULE 8, EXHIBIT "A", ORDER R-6013-A, (Sections "a." through "f.") NATURAL GAS POLICY ACT INFILL FINDINGS, ADMINISTRATIVE PROCEDURE

SECTION OF RULE 8	RULE 8 REQUIREMENT	PRE-EXISTING WELL DOYLE HARTMAN, OPERATOR*	INFILL APPLICATION WELL DOYLE HARTMAN, OPERATOR
<b>a.</b>	Lease Name and Well Location	Lankford No. 1 1650' FNL & 1650' FEL 25-238-36E	Lankford No. 2 1980' FNL & 1980' FEL 25-238-36E
b.	Spud Date	October 21, 1949	December 17, 1983
c.	Completion Date	December 24, 1949	January 3, 1984
d.	Mechanical Problems	None	None
e.	Current Rate of Production	Approx. 35 MCF/D	Production Test sub- sequent to fracture treatment: 386 to 738 MCF/D

Originally completed by Culbertson/White Sand; Petroleum Corporation of Texas prior to operations assumed by Doyle Hartman.

• ,					50	ULS - 1843
NO. UF COPIES RECEIVED						<i>(</i> =
DISTIRIBUTION .	NEW	MEXICO OIL CONS	ERVATION COMMISS	ION .	Form C-101	•
SANTA FE		<b>e</b> °	<b>&gt;</b> /-		Revined 1-1-6	55
FILE		•	•	•	l. r	Type of Loane
LAND OFFICE	-+			•	STATE	FEE X
OPERATOR			•		.5, state Off	6 Gas Loann No.
					rimn	mmm
APPLICATION	ON FOR PERMIT TO	DRILL DEEPEN	OR PLUG BACK	<del></del>		
1a. Type of Work					7. Unit Agre	ement Name
DRILL X	1	DEEPEN	D1 11	G BACK	li	
b. Type of Well		· ·	<u></u>		B. Farm or L	ease Name
WELL GAS X	олнея		SINGLE N	SONE	Lankfo	rd
2. Name of Operator					9. Well No.	, — — — — — — — — — — — — — — — — —
Doyle Hartman 3. Address of Operator	<del></del>				2	
	Box 10426, Midla	and Towns 70	702	·	Jalmat	d Pool, or Wildent
<del></del>				+h	Jamat	(Gas)
UNIT LETT	ER G LOC	TATED 1700	FEET FROM THE	LINE		
AND 1980 FEET FROM	THE East	25	TWP. 23S RGE. 3	6E NMPN		
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			19 Froresed Depth	19A. Formation	ļ.	20. Hotory or C.T.
		SERVATION DIVISI		Yates-Se		
21. Elevations (show whether Di		1	21B. Drilling Contractor		1	Date Work will star:
3348.5 G.L.	Multi-v	Well Approved	Nor Perecrea		Novembe:	1, 1903
1	P	ROPOSED CASING AN	D CEMENT PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOO	T SETTING DEPT	H SACKS OF	CEMENT	EST. TOP
12 1/4	9 5/8	36.0	400	500		Surface
8 3/4	7	23.0	3700	800		Surface
0						
<i>!</i>	ı	ı	i	•	J	
		,			iq.	
The proposed a	well will be dr:	illed to a tot	al depth of 370	O feet and	d will h	e completed
	Yates-Seven Rive					
through the r	unning of the pr	roduction casi	ng, the well wi	11 be equi	ipped wit	th a 3000-psi
double ram BO						•
1	•					
	s produced from		well has previo	usly been	dedicate	ed to
El Pas	o Natural Gas Co	ompany.	·			
					in 1977	DAYS
			APPROV	AL VALID FO	112/	194
			PERMI	T EXPIRES	C LINDEDA	VAY
			UNLE	SS DRILLIN	G UNDERN	in.
	ROPOSED PROGRAM: IF F	DRODGEAL IS TO DEEDEN	OP PLUG BACK GIVE DATA	OL PRESENT PROC	SUCTIVE ZONE	AND PROPOSED NEW PRODU
IVE ZONE, GIVE BLOWOUT PREVENT	ER PROGRAM, IF ANY.					
hereby certify that the information	on above is true and comp	lete to the best of my k	npwledge and belief.			
Larry (1.	Menny	Engineer		n	0c1	tober 11, 1983
igned		I HITE				
(This space for a ORIGINAL SIGN	State Use)					
DISTRIC	NED BY JERRY SEXTO				00.	T 27 1983
PPROVED BY	· · · sorenvisos	TITLE		D	ATE	

OCT 2 8 1983

	<del></del>	All distances must b	from the outer boundaries	of the Section	·
DOYLE HARTI	1AN	٨	LANKFORD		Well No.
ngt Letter G	25	23 SOUTH	36 EAST	County LEA	
1980		NORTH line on	a 1980	test tom the EAST	line
Ground Level Elev.	Producing Fo	netten	Pool		Liearnatea Acteage:
3348.5	Yates-S	even Rivers	Jalmat (Gas)	)	120
2. If more the interest and 3. If more than dated by co	in one lease in discountry.  I cone lease of mmunitization,	different ownership is unitization, force-poo	dedicated to the welling.etc?	dentify the ownership	the plat below.  thereof (both as to working  of all owners been consoli-
this form if No allowabl	s "no." list the necessary.) e will be assign	ned to the well until a	criptions which have	consolidated (by co	mmunitization, unitization, n approved by the Commis-
				1 1	CERTIFICATION  certify that the information con-
Exis	ford No. 1 ting Jalmat -on+120-acre				ry A. Nermyr
l)	ation Unit		<b>→</b> ☆		neer
	osed Well L	ocation >	1980	Doyl	e Hartman .
ľ	ll Jalmat (	Gas) Well	 	Octo	ber 12, 1983
*NO]	perform the fea recompl Lankfor	is presently be ed to determine sibility of eting the d No. 1 to glie Mattix		shown of notes of under my	certify that the well location this plat was piorted from field actual surveys made by me or supervision, and that the same and correct to the best of my ge and belief
1 1115	CJET (V) AN 87 1984 ISERVATION DI SANTA FE	VISION	ON W. Kess	To promise the following to the second	OBER 4. 1983
Principal Park Inch			THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COL	Tentinare	"\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

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STATE OF NEW MEXICO

# ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

October 17, 1983

TONEY ANAYA GOVERNOR POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 (505) 827-5800

Doyle Hartman
P. O. Box 10426
Midland, Texas 79702

Attention: Michelle Hembree

Administrative Order SD-84-1

Gentlemen:

You are hereby authorized to simultaneously dedicate an existing 120-acre non-standard proration unit comprising the NW/4 NE/4 and S/2 NE/4 of Section 25, Township 23 South, Range 36 East, NMPM, Lea County, to your Lankford Well No. 1 located at a point 1650 feet from the North line and 1650 feet from the East line of said Section 25, and your Lankford Well No. 2 to be located 1980 feet from the North line and 1980 feet from the East line of said Section 25, both in Township 23 South, Range 36 East, NMPM, Jalmat Gas Pool, Lea County, New Mexico.

Further, you are hereby permitted to produce the allowable from any of the wells on the proration unit in any proportion.

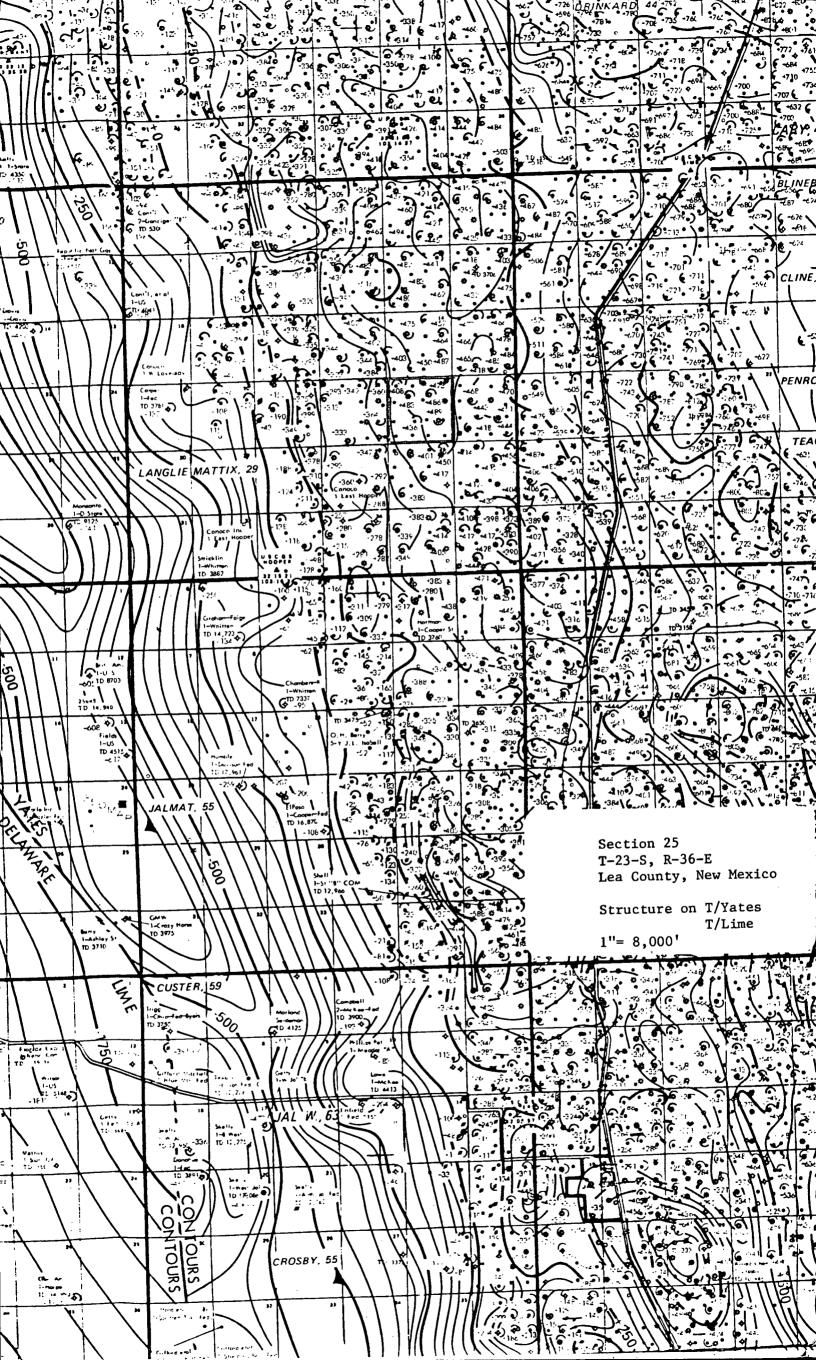
Sincerely

JOE D. RAMEY

Director

dr/

cc: Oil Conservation Division - Hobbs
Oil and Gas Engineering Committee - Hobbs
Bureau of Land Management - Hobbs



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SANTA FE		NEWF		CONSERVA		AISSION	<u></u> S		Nd C-114 and
U.S.G.S.		AUTHORIZAT	ד סד אסוי	AND RANSPORT	OIL AND	NATURAL		flective 1-3	-65
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I. PHOLATION OFF	ICE		·.		<u> </u>				
Doyle Hartma	ın								
Post Office	Box 10/26 M	idland, Texas	70702				<del></del>	····	
Reason(s) for filing (		idiand, lexas	79702	· · · · · · · · · · · · · · · · · · ·	Other (Please	explain)			
New Well Recompletion	<u>X</u> ]	Change in Transpo	orter of:	Cas [					
Change in Ownership	<u> </u>	Casinghead Gas	<b>₹</b>	iensale		· ·			
If change of owners: and address of previ	ous owner								
II. DESCRIPTION OF	WELL AND LE								
Lankford		2 Jalma		Yates-7	Rivers	Kind of Lea State, Feder	_, _, _, _,	Fee	Leane N
Location							•		
Unit Letter	G : 1980	_ Feet From The N	orthL	ine and19	980	_ Feet From	TheEas	t	<del>-</del>
Line of Section	25 Townsh	<u>ir 23S</u>	Range	36E	, NMPM,	Lea			Count
1. DESIGNATION OF	TRANSPORTER	OF OIL AND NA		AS					
Name of Authorized 7	ransporter of Cil 🛅	or Consensate		Address (G	ive address to	o which appro	oved copy of the	his form is t	o be sent)
Name of Authorized To			y Gas X	- {		• • •	ved copy of ti		
El Paso Natu:	T tip	<del></del>	F.ge.		roleum (		Suite 200	), Midla	and, TX 79705
give location of tanks.				No.			ASAP		
If this production is a COMPLETION DA									
	of Completion -		Gas Well	New Well	Workover	Deepen I	Plug Back	oame Hes	v. Diff. Res
Date Spudded 12-17-83	Dat	e Compl. Ready to Pr 1-3-84	rod.	Total Depth			P.B.T.D.		
Elevations (DF, RKB,	1	ne of Producing Form.		Top Oil/Ga	s Pay		Tubing Dep	th.	
3348.5 G.L.	Y	ates-Seven Ri	ivers		2		Depth Casi	ng Shoe	·
2962-3239 w/2	2 holes (Yat			D CEMENTI	IG RECORD	<u> </u>	3700		<u> </u>
HOLESI	ZE	CASING & TUBIN		CEMENIII	DEPTH SE			CKS CEM	
12-1/4 8-3/4		9-5/8 7			00 00	1, V 31 (1)	250 (circ) 850 (circ)		
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TEST DATA AND I	REQUEST FOR A	LLOWABLE (T	est must be a	feer recovery a	of total volume	e of load oil	and must be e	qual to or ex	ceed top alic
OII, WELL Date First New Cil Rus		e of Test	tle for this de	epth or be for f	ull 24 hours) ethed (Figu.			<u></u>	<del></del>
1 67014 01 7-21		ing Fressure	·	Casing Pies	swe		Choke Size		
Length of Test	, ut	ing Piese We							
Actual Fred. Duting Te	s: Cil-	Btis.		Water - Bhis.			Gos-MCF		
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Actual Fred. Test-MCI	T/D Len:	oth of Test		Bbis. Conde	negte/MMCF		Gravity of C	onsenegie	
7 comma Method (pilet,	back pr. ) Tubi	24 hours	(a)	Cosing Free	eus (Ehst-1	n)	Choke Size	==	· · · · · · · · · · · · · · · · · · ·
Orifice Teste	CTT	TP= 91, FTP=		1	l, FCP=	60	12/64		
CERTIFICATE OF	COMPLIANCE						TION COM		
I hereby certify that the	e rules and regula	tions of the Oil Co	onservation -	APPROV	ED	<del></del>		, 1	9
Commission have tre	a complied with a splete to the best	of my knowledge	ation given and belief.	E:Y					
				TITLE _					
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	L Hemly (Signature)	<u> </u>		1	Cores tours !	e ecconassi	ind by a sabi innea with n	ministra or	the devicti
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All westions of this form most be filled out completely for allow-side on new end recompleted wells.

Fill out only Sections I. H. III, and VI for changes of own re-well name or number, or transporter or other such avenue of condition

Separate forms C-104 must be filed for each pool in multiply selected we be.

Administrative Assistant

January 4, 1984 (D. (e)

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January Control	State foliage				
COMPANY	Doyle Hartman				
٨ .					
WELL	Lankford No. 2				
FIELD	Jalmat (Gas)				
LOCATION	1980 FNL & 1980 FEL (G)				
	Section 25, T-23-S, R-36-E				
	(23-36-25 <b>-</b> G)				
COUNTY	Lea				
	New Mexico				
ELEVATION	\$: KB				
	DF				
	GL 3348.5				
	COMPLETION RECORD				

			GL _3	3348.5		
		COMPLET	ION RI	ECORD		
SPUD DATE	12-17-8	.3	COMP	DATE	1-3-8	84
TD	3700		PBTD	3697		
CASING RECO	<sub>RD</sub> 9-5/8 @	400 w	/250			
		3700 w				
PERFORATING	RECORD	Perf:	2962	2-3239 v	w/22	
	,					
			<u></u>			
STIMULATION	A/6000					
					•	
IP	IPF= 58	MCFPD				
GOR			GR			
TP	60		СР	60		
CHOKE	12/64"	TUBIN	IG	2-3/8	B @	308
REMARKS						
	1-18-84:	: SF/1	10,95	0 +		
	253,000.	. F/40	6 MCF	PD.		

NO. 01 COPH 5 HEEL	VI D	i e		e e e e e e e e e e e e e e e e e e e		(** (**		Form C-	
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SANTA FE		NFW	MEXICO OIL	CONSERVATION	א כט	MMISSION	- 1	<del></del> -	Type of Lease
FILE		WELL COMPL	_				uncli	Diate	] 1'00 [X
U.S.G.S.		COM	L HON ON I	(CCOM LETT	ON NE	ON I AIL	7.200	Grate Cal	& Gas Leane 11a.
LAND OFFICE				,		•			
OPERATOR							100	77777	77/11/77/77
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In Typs of Well	<del></del>	<del></del>	<u>_</u>			·····	<u> </u>	777717	ement Name
in the contract							<i>\\ '</i> .	CHII Marce	Guerr Pouse
_	CIL W.E.	%	L X DH,	OTHER					
b. TYPE OF COMPL				_ 55			F.	Furm or L	ease Name
	ORK DEEP	T N PLUI		1202			12	Lankfo	ord
2. Name of Operator				1:77	<b>1</b>	11 11 1	9.	Well No.	· · · · · · · · · · · · · · · · · · ·
Doyle Hartm	an .					_ ***		2	
3. Address of an orator				<del>      </del> -	AN 2	<del>?7 1984 -</del>	<del>                                      </del>	. Field on.	d Pool, or Wildoot
Post Office	Por 10/26	W-41		。 凸 <u>之</u>			ו (טע		(Gas)
Post Office	BOX 10426,	Midiand, 1	exas /9/	OIL-COP	ISERV	ATION DIVI	SIONE	77.77.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.7.	. (688) ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
4. Lecation of Well						TA FE		([[[]]	
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UNIT LETTER G	LOCATED 1	980 _ FEET	FROM THE NOT	rth LINE AN	198	80 FEFT	F9314		
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Fact	25	220	266		/////				
THE East LINE OF				MPM 1		12111111111111111111111111111111111111		∍ea	Tlev. Cashinghead
•	,	_   ' _		i			. N 1 , GN , C		
12-17-83	12-23-8				348.	5 G.L.			
20. Total Depth	21. Ph	ig isack T.D.	22. If the	uitiple Compl., He	ow   2	23. Intervals Drilled By		ols	Cable Tools
3700	3	697			ĺ		0-3700	)	
24. Producing Interval	(s), of this comple	tion - Tay, hetto:	n, Name				<del></del>		5. Was Directional Surve
				•				ł	Made
2062 2220	(X-+	<b>~.</b> \						ľ	37 -
2962-3239	(Yates-Sev	<u>en Rivers)</u>						1 20 1	No
26. Type Electric and	Other Logs Hun							27. 1.0	s Well Cored
CDD-SNL, Gua	ard-Forxo								<u>No</u>
2 E	3	CA	SING RECORD	(Report all string	s set in	well)			
CASING SIZE	WEIGHT LB.	/FT. DEPT	HSET	HOLE SIZE		CEMENTIN	G RECORD	1	AMOUNT PULLED
9-5/8	36	40	0 1	12-1/4	21	50 (circ)			None
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	23	3/0	O RKB	8-3/4		50 (circ)			None
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29.	L	INER RECORD	· · · · · · · · · · · · · · · · · · ·		3	0.	TUBI	NG RECO	RD .
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11. Perforation Record	Unterval size one	d sumbus!		132.	A CID	SHOT, FRAC	TUDE CEN	LENT SOU	FEZE ETC
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22 shots wit				<del></del>	INTER				MATERIAL USED
2962, 2965,				2962	<u>-3239</u>	)A/_	6000 ga	<u>ls_15%</u>	_MCA
3027, 3030,	3033, 3045	<b>,</b> 3127 <b>,</b> 3129	9, 3138,						
3145, 3148,	3163, 3166,	, 3169, 318.	1, 3237,	· L					
3239									
•3.	<del></del>		PI	RODUCTION					
Date First Production	Front	ction Method (Flor			dirpe	pump)	W )	ell Status	(Prod. or Shut-in)
1-3-84	L							Shut-i	ת ח
	Pump	<del></del>	10 10 10			as = MCF	Water —		Gas - Oll Ratio
Cate of Test	Hours Tested	Choke Nize	Frodin, For Test Period	OH — EPI*	1		1	BBI.	ods = On Hallo
1-3-84	24	12/64	<u> </u>	<u>→                                    </u>	!_	58		<u>-</u>	
low Tuiling Press.	Casing Pressure		- Cil – Bbl.	Gas = 1	MCL	, Water –	Bbl.	Oil G	Stavity - API (Corr.)
60	60	How Kate	.	58			-	1	
14. Disposition of Gas	(Sold, used for fur	d, vented, etc.)		<del></del>			Test Wit	nessed By	
Vented	, ,						L. N	lermyr	
		·				<u> </u>			
25. List of Attachments		'							
Inclination						<del></del>			
is. I hereby certify thus	the information s	hown on both side	s of this form i	s true and comple	te to the	e best of my ki	um ledge at	id belief.	
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SIGNED PUL	1.00 al	1	:	Administra	t i 110	Accietan	t -	Ton	. 4, 1984
SIGNED / TUC	rure Nis	م اللكائد.	TITLE	POUTITIE LE	4 T V C	VOOTOFUL	DA	ie <u>vall</u>	·

This form in to be filed with the appropriate District Office of the Communitor not later than In days after the completion of any newly-drilled or despensed well. It shall be accompanied in an ecopy of all electrical and redocactivity logg of on the well and a summary of all special tests conducted, including drill stem tests. All do a reported shall be appared define in the case of incentionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The term is to be filed in quintuplicate except on state land, where six copies are required. See Bule 1105.

# ANDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

	Southeastern New Mexico	Northwe	estem New Mexico
T. Anhy 1183	T. Canyon	T Ojo Alamo	T. Penn. "B"
T. Salt 1280	T. Strawn		
B. Salt2785	T. Atoka	T. Fictured Cliffs	T. Penn. "D"
T. Yates 2946	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers 3186	T. Devonian	T. Menefee	T. Madison
			T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Qtzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T
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			T
T. Drinkard	T. Delaware Sand	T. Entrada	T
			T
T. Wolfcamp	T	T. Chinle	т
	T		
T Cisco (Bough C)	T	T. Penn. "A"	T
	OIL OR	GAS SANDS OR ZONES	
No. 1, from 2962	<b>to</b> 3239	No. 4, from	to
No. 2, from		No. 5, from	
No. 3, from	to	No. 6, from	toto
	IMPO	RTANT WATER SANDS	•
Include data on rate of wa	ster inflow and elevation to which water	er rose in hole.	·
No. 1, from	to		**************************************
No. 2, from	toto	feet.	T1 - 100 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
No. 3, from	toto	fcet.	***************************************
No. 4, from	to	fcet.	***************************************
		Attach additional sheets if necessary	
To Thickn	ess	From To Thickness	Formation

From	То	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
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		i	(Anhydrite)	<u> </u>	]	1	
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		1	(Salt & Anhydrite)	`			
2785	2946	161	Tansill			1	
			(Dolomite & Anhydrite)	<b>j</b> j			
2946	3186	240	Yates	Ħ		i !	
			(Dolomite & Sandstone)			1 1	
3186	3550	364	Seven Rivers			1 . 1	
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3485-3635 (12-24-49)	
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TD@ 3637	
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COMPANY	Petroleum Corp. of Texas			
	(Culbertson/White Sand)			
WELL	Lankford No. 1			
	<b></b>			
FIELD	Langlie-Mattix & Jalmat			
LOCATION	1650 FNL & 1650 FEL (G)			
	Section 25, T-23-S, R-36-E			
	(23-36-25-G)			
COUNTY	Lea			
STATE	New Mexico			
ELEVATIONS:	КВ			
3-28-83	DF <u>3354</u> GL			

		40 A
	COMPLETION RECORD	
SPUD DATE	10-21-49 COMP. DATE	12-24-49
ΤΟ	3637 РВТО	
CASING RECORD	13 @ 60 w/75	
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PERFORATING RECORD	OH: 3485-3635	•
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	Production - Cum Prod:	
1.2.4.2	31.2	*
	1982 Jalmat Cum: 5579	MMCF
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	1982 Jalmat Avg. Prod:	157 MCFPD
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NO. OF COPIES RECEIVED		Control of the second	
*DISTRIBUTION	· ·	CONSERVATION COMMISSION FOR ALLOWABLE	Form C-104 Supersedes Old C-104 and
FILE		AND	Effective 1-1-65
U.S.G.S.	AUTHORIZATION TO TR	ANSPORT OIL AND NATURAL	GAS
	-	SEP 7	If and the
IRANSPORTER GAS			16 39 AH 265
PROPATION OFFICE	7	P	ECISIÓNEM
Operator Petroleum Corporat	inn of Tours		in a diffusion
Address			JAN 37 1984
P. O. B.x 752, Bree Reason(s) for filing (Check proper bo	ckenridge, Texas 76024		CONSERVATION DIVISION
New Well	Change in Transporter of:		SANTA FE ing name from White Sa
Recompletion  Change in Ownership X	Oil Dry G Casinghead Gas Conde	T I D C C	
If change of ownership give name	White Sands Oil & Gas Co	orporation, 516 Commerci	al Rank Tower Midland
and address of previous owner		•	
DESCRIPTION OF WELL AND	Well No. Pool No	ame, Including Formation	Kind of Lease
Lankford Location	l Jal	lmat	State, Federal or Fee FEE
	50 Feet From The North Lis	ne and 1650 Feet From	The East
Line of Section 25 To	ownship 23S Range	36E , NMPM,	I ea Cour
DESIGNATION OF TRANSPOR	TER OF OIL AND NATURAL GA	AS	
Name of Authorized Transporter of Oil		Address (Give address to which appro	ved copy of this form is to be sent)
Name of Authorized Transporter of Ca	_ ,	Address (Give address to which appro	<b>▼</b>
El Paso Natural Gas C	Company Unit Sec. Twp. Age.	Box 1492, El Paso, Texalle gas actually connected? Wh	
give location of tanks.		Yes	
If this production is commingled wi	ith that from any other lease or pool,		
Designate Type of Completion	on - (X) Gas Well	New Well Workover Deepen	Plug Back   Same Res'v. Diff. Re
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Pool	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Perforations		1	Depth Casing Shoe
	TURING CASING AND	CEMENTING RECORD	
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
TEST DATA AND REQUEST F	OR ALLOWARLE (Test must be a)	fter recovery of total volume of load oil	and must be equal to or exceed top al
OIL WELL Date First New Oil Run To Tanks		pth or be for full 24 hours) Producing Method (Flow, pump, gas lij	
	Tubing Pressure	Casing Pressure	Choke Size
Length of Test	I doing Presame		
Actual Prod. During Test	OII - Bbis.	Water - Bbls.	Gas-MCF
GAS WELL			
Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size
CERTIFICATE OF COMPLIANCE	CE	OIL CONSERVA	TION COMMISSION
		APPROVED	
Commission have been complied w	regulations of the Oil Conservation with and that the information given best of my knowledge and belief.	av	
bove is true and complete to the	best of my knowledge and better	TITLE	
		This form is to be filed in c	omotionce with BULF 1104.
Clearly W.D.	mite	If this is a request for allow	able for a newly drilled or deepen
(Signa	Charles W. Smith	well, this form must be accompan tests taken on the well in accord	tied by a tabulation of the deviati funce with RULE 111.
Office Manager (Til	ile)	All sections of this form mus	it be filled out completely for allous.
September 2, 1965	<b>1</b>	•	and VI only for changes of owner
(Da	te)	Separate Forms C-104 must	be filed for each pool in multip
		completed wells.	•

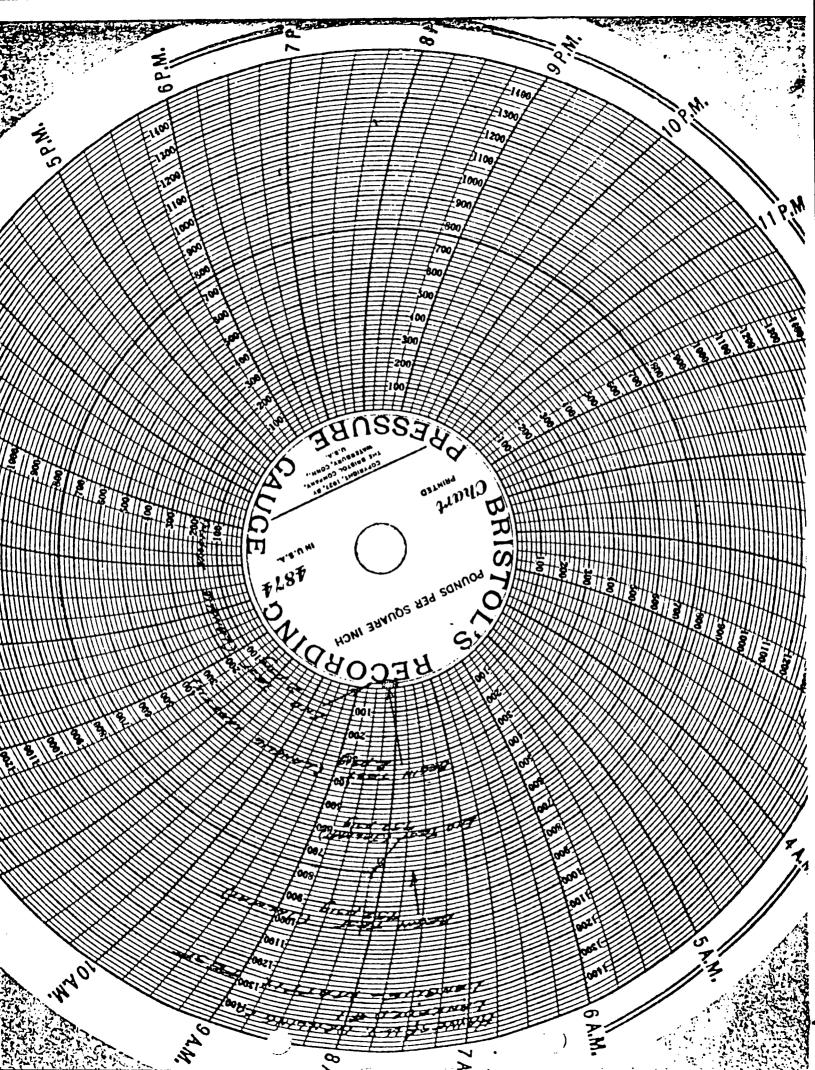
CERTIFICATE OF CO TO TRANSPOR  FILE THE ORIGINAL AND COMPANY OF CO	TA FE, NEW ADMINISTRATION OF THE SECOND OF T	IEX(. AND AUTHOR Natural Ga	S DFFICE 43 AH '63 Well No.			
Authorized transporter of oil or condensate	Address (give as	ldress to which approve	ed copy of this form is to be sent)			
Is Gas Actually Connecte	d? Yes_X_	. No				
Authorized transporter of casing head gas or dry gas Date Connected	Address (give ad	dress to which approve	d copy of this form is to be sent)			
El Paso Natural Gas Company  If gas is not being sold, give reasons and also explain its present disposition:	El Paso	, Texas	<u> </u>			
is gas as not being sort, gave reasons and areo express its present disposition.						
REASON(S) FOR FILING	(please check p	roper box)				
Change in Transporter (check one) Oil						
	OIL CONSERVATION DIVISION SANTA FE					
Remarks						
Formerly Haynes & V. T. Drilling Co.		•				
The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.						
Executed this the 11th day of	September	. 19_63				
OIL CONSERVATION COMMISSION	By	The second				
Approved by	Manage:	<u>,                                    </u>				
- 1	Title White	را Sanda Odl F C	ac Componation			
Title	Company	oatina Att e p	as Corporation			
	300 Fin	rst National	Bank Building			
Date 003 00 1953	Address					
OCI 29 1963	Odessa	, Texas				

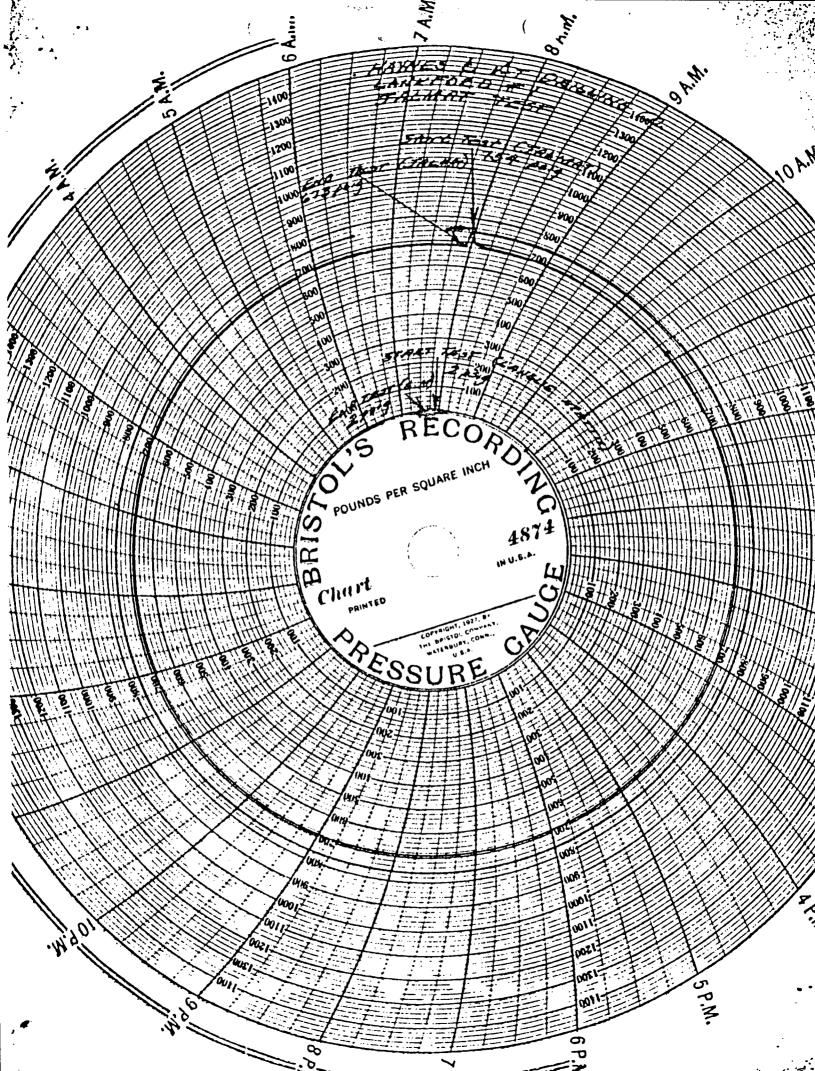
This form is not to be used for reporting packer leakage tests in Northwest New Mexic

# NEW MEXICO OIL CONSERVATION COMMISSION

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST perator Lease. Well Haynes & V-T Drilling Company Lankford 1 No. Location Unit Rge County 23 36 25 of Well LAS Type of Prod Method of Prod Prod. Medium Choke Size Name of Reservoir or Pool (Oil or Gas) Flow, Art Lift (Tbg or Csg) Jpper Casing Jalmat G28 Flow Compl ower Langlie-Mattix Oil 011 Flow Tubing 18/64 Compl FLOW TEST NO. 1 Both zones shut-in at (hour, date):\_\_\_\_\_ 10:15; 5-3-1960 Upper Lower Vell opened at (hour, date): 08:00 5-7-1960 Completion Completion Indicate by ( X ) the zone producing...... 2 ressure at beginning of test....\_\_\_\_\_ Stabilized? (Yes or No)...... Yes Yes 2 faximum pressure during test..... 754 Minimum pressure during test..... 673 2 Pressure at conclusion of test..... 2 None Vas pressure change an increase or a decrease?..... None Total Time On Well closed at (hour, date): 08:00 5-8-1960 Production Gas Production Dil Production During Test: None bbls; Grav. \_\_\_\_; During Test\_ 3,265 MCF; GOR **lemarks** FLOW TEST NO. 2 Upper Lower Well opened at (hour, date): 08:00 5-9-1960 Completion Completion Indicate by ( X ) the zone producing..... 2 Stabilized? (Yes or No)..... Yes Yes Maximum pressure during test..... 752 2 Minimum pressure during test..... 2 Hone Was pressure change an increase or a decrease?..... None Total time on 24 Hours Well closed at (hour, date) 08:00 5-10-1960 Production Gas Production Oil Production MCF: GOR Hone During Test: None bbls; Grav. \_\_\_\_; During Test\_ None Remarks This Zone is Dead. I hereby certify that the information herein contained is true and complete to the best of my knowledge. Haynes & V-T Drilling Company Operator Approved New Mexico Oil Conservation Commission G. I. Young Office Manager //Title

5-16-1960







# DIL CONSERVATION COMMISSION

HOBBS, NEW MEXICO

April 20, 1960

Haynes & V. T. Drilling Co. 1725 N. Grant St. Odessa, Texas

Gentlemen:

We are returning the enclosed Packer Leakage Test Form, and request that the well be retested. Also, when the forms are resubmitted, please clarify the lease name and well number.

We wish to call to your attention that a Dual Pen Recorder must be used at the well head and that all pressures must be submitted. Further, the El Paso Natural Gas Co. charts are not acceptable charts for the packer leakage test.

We believe that a careful reading of the instructions on the back of the Southeast Packer Leakage Test Form will enable you to properly conduct the test and complete the form.

Yours very truly,

OIL CONSERVATION COMMISSION

Eric F. Engbrecht Engineer, District 1

mc encl.

#### NEW MT CO OIL CONSERVATION CO' ISSION SANTA FE, NEW MEXICO Revised 7/1/55

Form C-110

(File the original and 4 copies with the appropriate district office)

# CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS. 11 0 20

Company or Operator Haybes & V. T. Drill	ing Company Lease Lankford
Well No. 1 (Dual) Unit Letter 0 S 25 T	23 R 36 Pool Langlie-Mattix
County Les Kind of Lease	(State, Fed. or Patented) Pnt.
If well produces oil or condensate, give loca	
Authorized Transporter of Oil or Condensate	
'	A TONE THE MONTH A TANK THE DOMENTY
Address P. O. Box 1510 Midland, Te	
(Give address to which approved	
Authorized Transporter of Gas Rl Paso Natu	
Address P. O. Box 1384 Jal, New Me (Give address to which approved	
If Gas is not being sold, give reasons and als	<del></del> -
Reasons for Filing: Please check proper box	) New Well ()
Change in Transporter of (Check One): Oil (	) Dry Gas ( ) C'head ( ) Condensate ( )
Change in Ownership()	Other CHANGE OF OPERATOR (X)
Remarks:	(Give explanation below)
To record change of operator from	Southern California Petroleum Corporation
to Haynes & V. T. Drilling Company, off	
The undersigned certifies that the Rules and mission have been complied with.	Regulations of the Oil Conservation Com-
Executed this the 7th day of July	1959
	By A. Chyfaung
Approved 19	Title Office Hanager
OIL CONSERVATION COMMISSION	Company Haynos & V. T. Drilling Co.
By /// Siller	Address 1725 North Grant St.
Title	Odessa. Texas

NEW ME CO OIL CONSERVATION CON ISSION Porm 5-110
SANTA FE, NEW MEXICO Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

# CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Company or Operator Haynes & V. T. Drilli	ng Company Lease Lankford
Well No. 1 (Dual) Unit Letter G S 25 T	23 R 36 Pool Jalmat
County Lea Kind of Lease	(State, Fed. or Patented) Pate
If well produces oil or condensate, give local	tion of tanks: Unit S T R
Authorized Transporter of Oil or Condensate	None (Dry gas well)
Address	
(Give address to which approved	copy of this form is to be sent)
Authorized Transporter of Gas El Paso Nat	ural Gas Company
Address P. O. Box 1384 Jal, New Mexic	:0
(Give address to which approved If Gas is not being sold, give reasons and als	
	· .
Reasons for Filing: Please check proper box	<del></del>
Change in Transporter of (Check One): Oil (	) Dry Gas ( ) C'head ( ) Condensate ( ;
Change in Ownership ( )	Other CHANGE OF OPERATOR (X)
Remarks:	(Give explanation below)
To record change of operator from	Southern California Petroleum Corporation
to Haynes & V. T. Drilling Company, effe	ctive July 1, 1959.
The undersigned certifies that the Rules and mission have been complied with.	Regulations of the Oil Conservation Com-
Executed this the 7th day of July	19.59
	By of the ling
Approved19	Title Office Manager
OIL CONSERVATION COMMISSION	Company Haynes & V. T. Drilling Co.
By Marketine	Address 1725 North Grant St.
Title	

# NEW MEYICO OIL CONSERVATION COMMISSION ( SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

SOUTHEAST	MEM MEXICO PA	CKER LEAKAGE TEST	•	
Operator Southern California Petrol	eum Corp.	e LANKFORD		ell o. 1
Location Unit G Sec of Well C 25	Twp 23 S	Rge [136 ]	County (C) 1 1 07	Lea
Name of Reservoir or Pool	Type of Prod (Oil or Gas)	Method of Prod Flow, Art Lift	Prod. Medium (Tbg or Csg)	Choke Siz
Upper Compl YATES - Jaluat	GAS	FLOW	CSQ	\$ 3/8"
Lower Compl QUEEN - LM	OIL	FLOW	TBQ	3/4"
	FLOW TEST	NO. 1	·	
Both zones shut-in at (hour, date):				
Well opened at (hour, date):			Upper Completion	Lower Completi
Indicate by (X) the zone producing			<del></del>	. 001111201
Pressure at beginning of test	•		•	40
				Yes
Stabilized? (Yes or No)		÷		40
Maximum pressure during test			-0-	36
Minimum pressure during test			-0-	40
Fressure at conclusion of test				4
Pressure change during test (Maximum m	inus Minimum).			<del></del>
Was pressure change an increase or a d		Total Tim		DECR.
Well closed at (hour, date): 8:30 Al Oil Production During Test: 0 bbls; Grav	Gas Prod	7 1 001	n 191 hrs MCF; GOR	
Remarks				
	FLOW TEST N	10. 2		
Well opened at (hour, date):	3:00 PM 4-2	21-59	Upper Completion	Lower Completion
Indicate by ( X ) the zone producing		••••	••••	X
Pressure at beginning of test		.Shut.in	820	44
Stabilized? (Yes or No)	• • • • • • • • • • • • • • • • • • • •	•••••	Үев	Yes
Maximum pressure during test		•••••	820	76
Minimum pressure during test			_	44
Pressure at conclusion of test	• • • • • • • • • • • • •	••••••	820	44 .
Pressure change during test (Maximum mi	nus Minimum).		0	32
Was pressure change an increase or a de	crease?	••••••		DECR.
Well closed at (hour, date) <u>left ope</u> Oil Production	Gas Produ	ction	24 hrs.	
During Test: 15 bbls; Grav. 30.4				
Remarks Tubing dead after SI. S		•	NO. 25 BHADDE	
4 bbls. and well flowed 1.5 I hereby certify that the information h	erein containe	gred. ed is true and com	mplete to the bes	t of my
		Operator So. Calli	Petr. Corp.	
Approved 19		(/ )		•
New Mexico Oil Conservation Commission	. I	3y Sellan	en	<del></del>
y		itle Division Er	ngineer	<del></del>

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS 5 P. Revised 12-1-55

Pool	JeJ	lmet	<del>-</del>	F	ormation	n	Yates		County_	L	98	
Initial Annual Special X Date of Test 12-3 to 12-7 1												
Comp	any South	orn Cal	ifor	da Pot		Lease	Lan	kford	We:	ll No	1	
Unit	<u> </u>	Sec2	<b>5</b> _Tw	<b>2</b>	3 8 R	ge. <u>36</u>	<b>E</b> Pu	rchaser <u>R1</u>	Paso Nat	ural G	es Company	
Unit <u>G</u> Sec. <u>25 Twp</u> <u>23 8 Rge. <u>36 B</u> Purchaser <u>R1 Paso Natural Gas Company</u>  Casing <u>5 1/2 Wt. 14</u> I.D. <u>5.012</u> Set at <u>3460</u> Perf. <u>2955</u> To <u>3190</u></u>												
Tubing 2 Wt. 4.7 I.D. 1.995 Set at 3612 Perf. 3577 To 3580												
Gas Pay: From 2955 To 3190 L 2955 xG .650 -GL 1921 Bar. Press. 13.2												
Produ	Producing Thru: Casing Tubing Type Well G. O. Dual  Re Single-Bradenhead-G. G. or G.O. Dual											
Date	of Complete	tion:	2-	6-50	Packe	r 337	S:	ingle-Brad Reserv	lenhead-G. oir Temp.	G. or	G.O. Dual	
							ED DATA				,	
Teste	ed Through	(DESERVE)	ar) t	10595L)	(Meter)				Type Tap	os		
				ata		·	Tubir	g Data				
No.	(Line)	(XXX	KK)			Temp.			Press.		Duration of Flow	
NO.	Size	1 '	ze	psig	h <sub>w</sub>	°F.	psig	°F.	psig	°F∙	Hr.	
SI									914		72	
$\frac{1}{2}$	_4			893			<b>}</b>		893	<del> </del>	24	
3.			000_	881	33.06				882	<del> </del>	24 24	
4.1	<del></del>		000 000	869 857	61.62 93.12		· · · · · ·	<del></del>	859 *	<del> </del>	24	
5.		<b>-</b>	<u> </u>	_001_	73016				0,9	<del>                                     </del>		
No.		ent	COWN .	- orii	ressure	FLOW CAL Flow Fac	tor	Factor	Facto	r	Rate of Flow Q-MCFPD	
	(24-Hou	ır)	√ h <sub>w</sub> r	f	psia	F	t	Fg	$\mathbf{F}_{\mathbf{p}\mathbf{v}}$		@ 15.025 psia	
1.	6,135	111,37		37		.9768		.9608 1		98 <b>3</b> 694		
2.	6.135		171.				95	.9608	1.09		1075	
3.	6.135		233.			.9822		.9608 1.0			1469	
<u>*•</u>	6,135		284	54		98	40	9608	1.08	38	1796	
<u>}•</u>				l								
PRESSURE CALCULATIONS  15 Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas												
avity of Liquid Hydrocarbons									ific Gravit			
:	1.793		(1	e -5	.124			Fc	927,2	c	859.7	
10.	Er Pt (psia)	$P_{\mathbf{t}}^{2}$	Fc	Q	(F <sub>c</sub> Q) <sup>2</sup>	(F	cQ) <sup>2</sup>	P <sub>w</sub> 2	P <sub>c</sub> -P <sub>w</sub> <sup>2</sup>	Ca P	1. Pw Pc	
	906.2	821.1		.24	1,54		.19	821.3	38.4			
-	895.2	801,4		.93	3,72		-46	801.9	57.8	<del> </del>		
3.	883.2	780.0		.63	6,92	<del></del>	.86	780.9	78.8 97.8	<del> </del>		
-	872.2	760.7		.22	10.37		.29	761.9	91.0	+	<del></del>	
<u>5.</u>									<del></del>			
bsol	ute Potent		_ 13	800		MCFPD;		.939				
COMPAI			m Cal	iforn		leum Co	rporati	011				
ADDRES	SS	Box 107	71. M	dland.	TOTAS						<del> </del>	
AGENT and TITLE Joe A. Coleman, P.B., New Esxico, Cert. No. 2208												
WITNESSED Well tested by El Paso Hatural Cas Company												
COMPAI		Besi-Co	lena	<u>Insi</u>	pooring	Company						
						REMA	arkş	6			•	
				1	,	J. D.	illus	Cr.				
		•		1/	in d	V7 G						
		3	11.1	111:4	11.60							
		Λ	10:00	1					•			
COMPANY Best-Coleman Engineering Company  REMARKS  All J. C. C.  All J. C. C.												

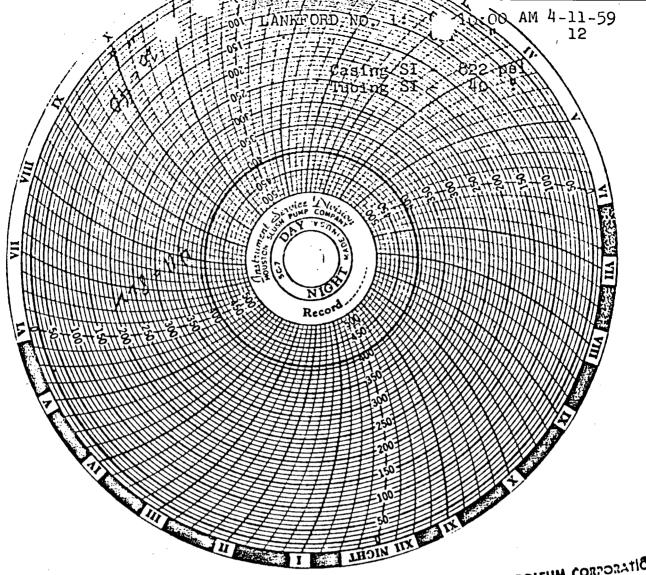
Southern Calif. PET. Co.
Lankford &I
Sec 25.7235-R36E - Lea. N.M.
12-7-56

LOGARITHMIC 359-120 KEUFFEL A ESGEN CO. WIN IN U.S A. 3 X 3 CYCLES

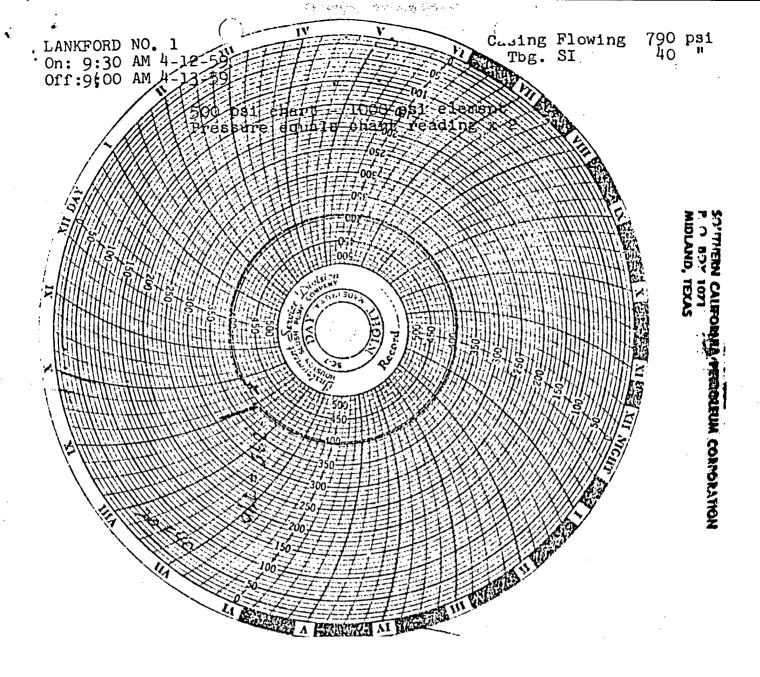
> Z W

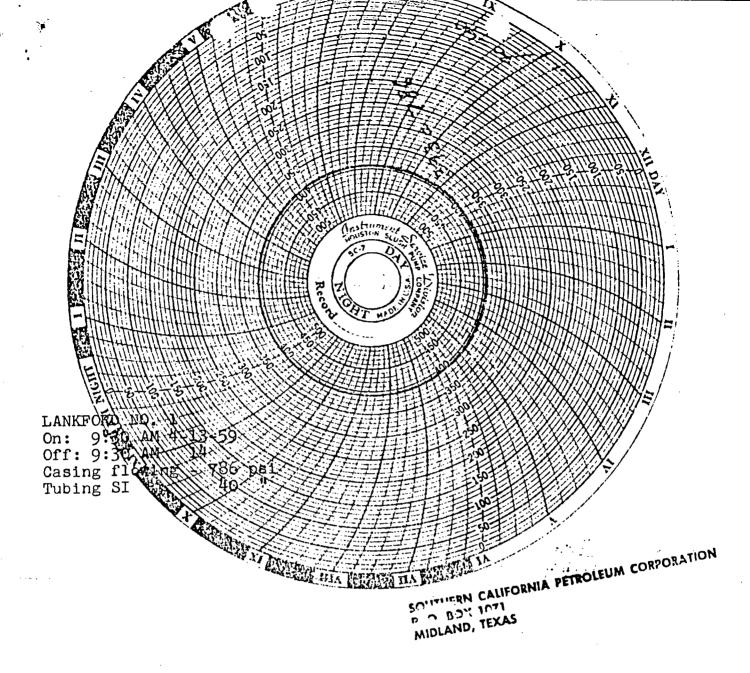
> > O.MCFPD

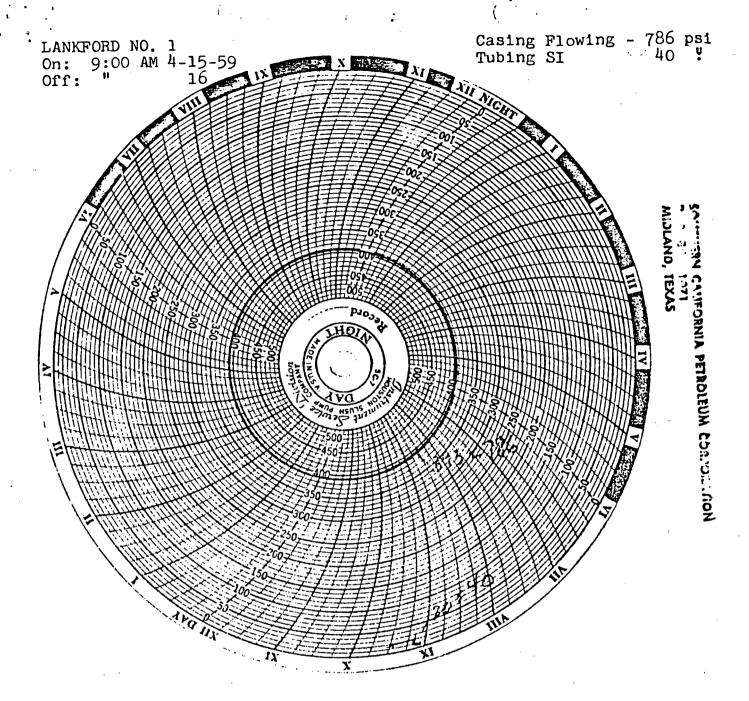
LANKFORD NO. 1 On: 10:00 AM 4-10-59 Off: " 11 500 psi chart - \$000 psi element Chart reading x 2 equals press. Casing SI - 824 psi Tubing SI - 40

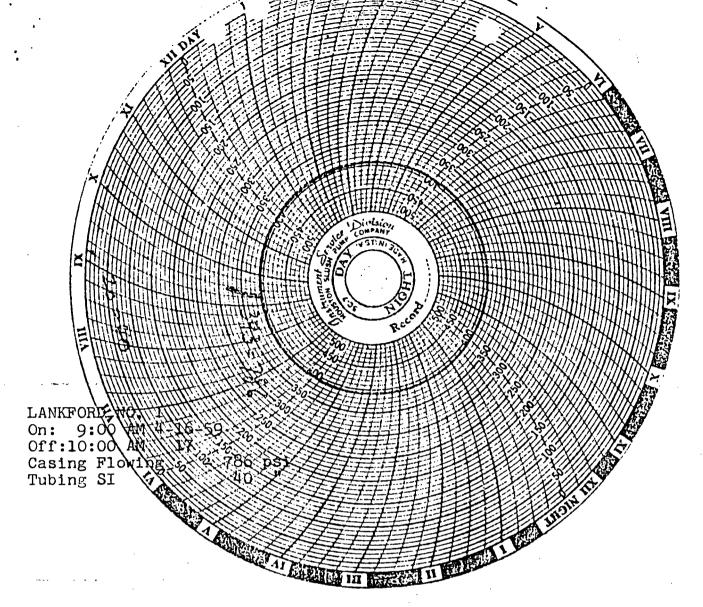


SOUTHERN CALIFORNIA PETROLEUM CORPORATION
P. O. BOX 1071
MIDLAND, TEXAS

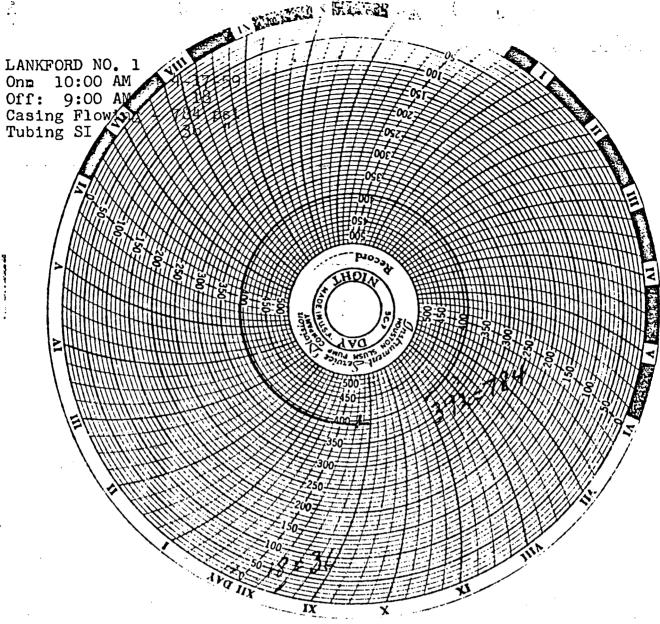


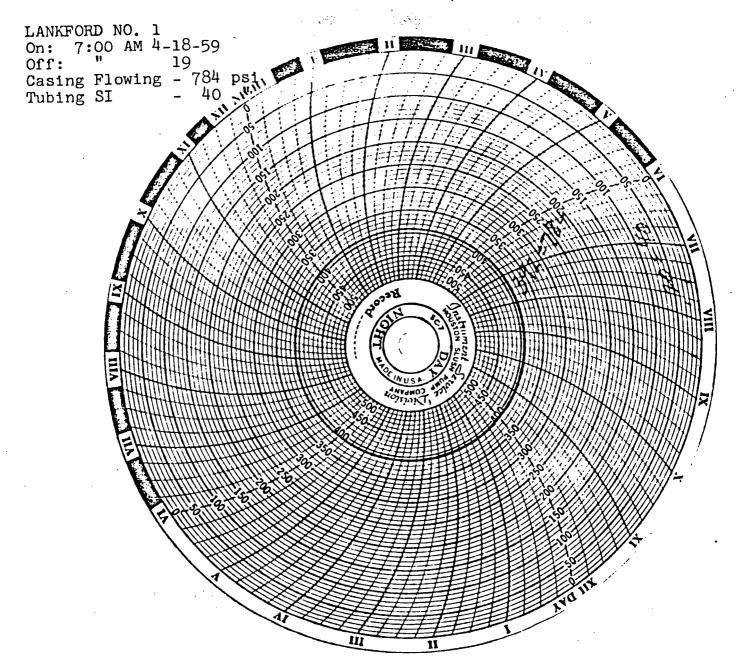


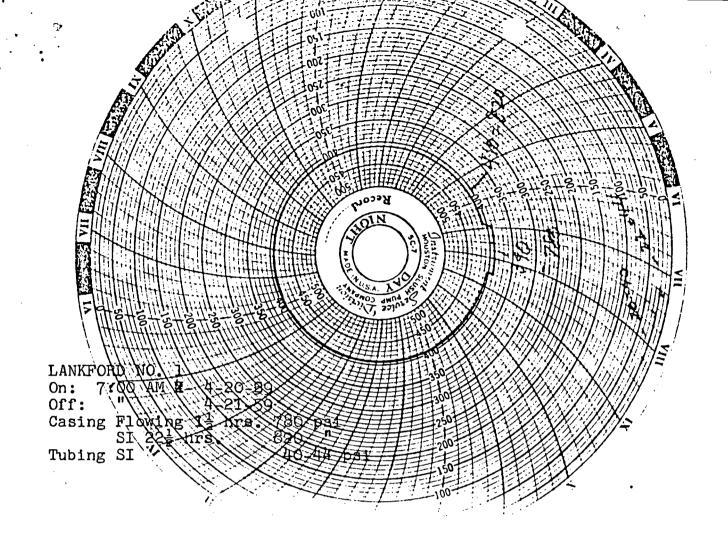




SOUTHERN CAMPORNIA PETROLEUM CORPORATION P. O. BOX 1071 MIDLAND, TEXAS

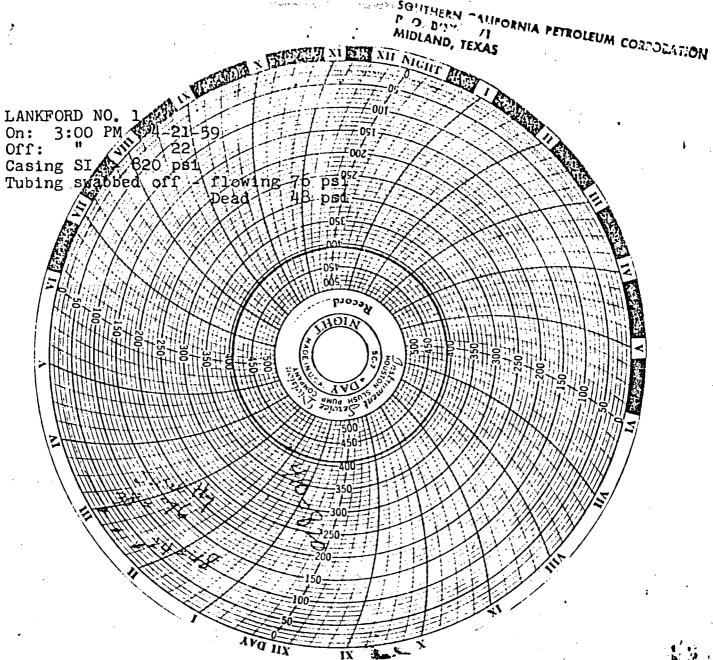




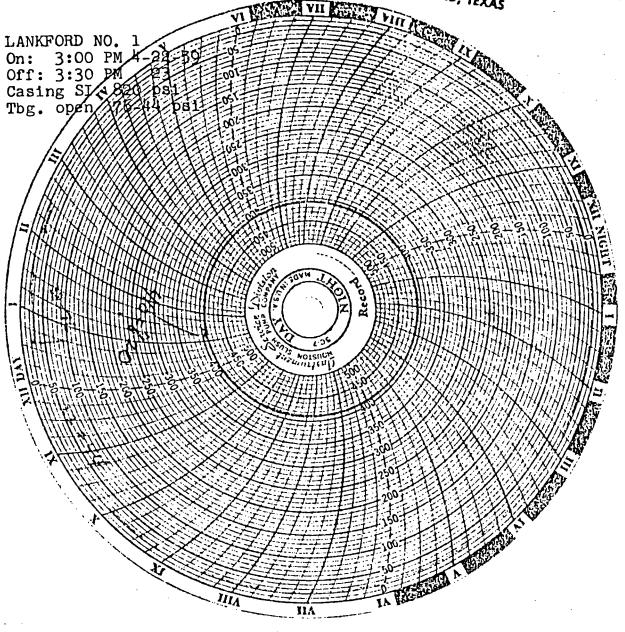


SOUTHERN CANFORNIA PETROLEUM CORPORATION
P. O. E. 1971
MIDLAND, TEXAS

•



SOUTHER ALIFORNIA PETROLEUM CORPORATION
MIDLAND, TEXAS



ARM MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

It is necessary that Form C-104 be approved before this form can be approved an an initial allowable be assigned to any completed (ii) or Gas well. Submit this form in QUADRUPLICATE.

E. C. E. M. 11: 19

# CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Company or Operator SOUTHERN CALIFORNIA PET	ROLEUM Lease Nina Lankford PORATION Lease Nina Lankford P.O. Box 1071 Midland Texas
Address	P.O.Box 1071, Midland, Texas  (Principal Place of Business)
(Local or Field Office)	(Principal Place of Business)  "T. 23S , R. 36E Jalmat "Pool Jalmat
County	fee
If Oil well Location of Tanks. Gas well	
	Co. Address of Transporter
(Local or Field Office)	El Paso, Texas (Principal Place of Business)
Per cent of Oil or Natural Gas to be Transported 100	Other Transporters authorized to transport Oil or Natural Gas
from this unit are	· ·
	%
REASON FOR FILING: (Please check proper box)	
NEW WELI	CHANGE IN OWNERSHIP
_	·
CHANGE IN TRANSPORTER	OTHER (Explain under Remarks)
REMARKS:	•
•	
To a second and the many ford and	B COO
In accordance with your Order	R-520
The undersigned certifies that the Rules and Regulation	s of the Oil Conservation Commission have been complied with.
Executed this the31stday of	
Executed this the	
	SOUTHERN CALIFORNIA PETROLEUM CORP.
Approved, 19	
OIL CONSERVATION COMMISSION	By Manion
Ву	Petroleum Engineer
Title	
(See Instructions	on Reverse Side)

(Revised 7/1/52)

## NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

MODES (TEDE COC

It is necessary that Form C-104 be approved before this form can be approved an an initial allowable be assigned to any completed Oil or Gas well. Submit this form in QUADRUPLICATE.

## CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

- 				
Company or Operator SOUTHERN CALIFO	RNIA PET	ROLEUM PORATION	Nina Lankford	
A.J.J			1. Midland. Texa	8
Address (Local or Field Office)			(Principal Place of Business)	<del></del>
Unit	Sec25	, T. 23S , R 36	R Pool Langlie-M	attix
County Lea Kir	nd of Lease:£	ee	······································	
If Oil well Location of Tanks	ase			
Authorized Transporter. Texas-New El Paso Nat	tural Gas	s Co. (gas)	ddiand Manag	•
(Local or Field Office)		E	(PESOPiacTerides	
Per cent of Oil or Natural Gas to be Transported.		. Other Transporters a	authorized to transport Oil	
from this unit are	•			
······································			***************************************	%
REASON FOR FILING: (Please check proper b	ox)	·		
NEW WELL.		CHANGE IN OW	NERSHIP	
CHANGE IN TRANSPORTER		OTHER (Explain	under Remarks)	<b>I</b>
REMARKS:		-	: :	
	,			
In accordance with your	Order R	<b>-52</b> 0		
		• •		
The undersigned certifies that the Rules an	d Regulations	of the Oil Conservati	ion Commission have been o	omplied with.
Executed this the31stday	of	Au	gust	1954
	·	SCUTHERN CA	LIFORNIA PETROLEI	M CORP.
Approved	, 19	$\sim$		
OIL CONSERVATION COMMISSION	N	Ву	Manno	
Ву		Title	Petroleum Engine	er
Title			•	
		0 623.1		



### NEW MEXICO OIL CONSERVATION COMMISSION BOX 2045 HOBPS, NEW MEXICO

****		DATE_	December 31, 1953	_
TO: Southern California Petroleum C	orporation.			
Box 1071, Midland, Texas			r r	
GENTLEMEN:			: .	
Form C-104 for your Lankford  LEASE	WELL	25-23-36 S.T.R.	Lanemat POOL	_
has been approved, however, since the	is well is:			
( ) An unorthodox location,			•	
(X) Located on an unorthodox prora	tion unit,			
( ) Outside the boundaries of a de	signated pool	ι,	\$	
it will be necessary for you to;				
( ) Comply with the provisions of	Rule 4 of Cor	mmission Order		
(X ) Comply with the provisions of	Rule 7 of Con	mission Order	r 369 A	_
( ) File Form C-123				
Pending further Commission action th	is unit will	be assigned as	120 acre	
allowable.				
		•		
	Stanlev.	J. Stanley		

A. L. Porter, Jr. Proration Manager

ALP/pb

El Faso Natural Gas Co. cc/ Transporter



## NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

It is necessary that Form C-104 be approved before this form can be approved an an initial allowable be assigned to any completed ()il or Gas well. Submit this form in QUADRUPLICATE.

# CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

SCUTHERN CALIFORNIA PETROLI	EUM CORPORATION		
Company or Operator	Lease N1r	a Lankford	
Address(Local or Field Office)	Box 1071,	Midland, Texas	
Unit. G., Well(s) No. 1, Sec. 25			
County Kind of Lease	Fe <b>e</b>		
If Oil well Location of Tanks. On lease			
Authorized Transporter El Paso Natural Gas	Company	Address of Transpor	ter
(Local or Field Office)	El Paso,	Texas	
•		~	
Per cent of Oil or Natural Gas to be Transported 100	Other Transporters author	rized to transport Oil or Natural C	Jas
from this unit arc	ne		
	•		
			.Ye
REASON FOR FILING: (Please check proper box)			
NEW WELL.	CHANGE IN OWNER	SHIP	
CHANGE IN TRANSPORTER	OTHER (Explain under	Remarks)	<u>70</u>
REMARKS:		, •	
NDM/MMO.			
In compliance with Order R	1-356.	-	
	•		
		0 2	
			.1.
The undersigned certifies that the Rules and Regulati		ommission have been complied wit	111.
Executed this the 28th day of	December	1953	
·	SOUTHERN CALIFORN	IA PETROLEUM CORP.	
Approved DEC 31 1953 19		***************************************	
Approved	" IV In	7	
OIL CONSERVATION COMMISSION	Ву	hunon	
By Stanley	. Tide Potroleum	Engineer	
Engineer District 1		·	
Title	 ions on Reverse Side)		
(266 lenter)	INMA DM AVENELIS TIME!		

OIL CONSERVATION COMMIS ON

		•	Date	Dec. 28, 1953
SOUTHERN	CALIFORNIA PETROLEUM CORP.	Nina Lankford		1
	Operator	Lease		Well No.
. •	Name of Producing Formation_	Yates	Pool_	Langmat
			·	
	No Acres Dedicated to the Well	120	*	

36E **23S** 25 RANGE\_ SECTION. TOWNSHIP

I hereby certify that the information given above is true and complete to the best of my knowledge.

Name Petroleum Enginær

Position

Representing SO. CAL. PET. CORP.

Address Box 1071, Midland, Texas Address

(over)

NE 1EXICO OIL CONSERVATION COM ISION
Santa Fe, New Mexico

EQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well Recompletion

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 oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

				Midland, f			
WE ARE	HEREBY	REQUESTI	NG AN ALLOWABLE FOR ROLEUM CORP. Nina	R A WELL KNO Lankford	OWN AS:		
(C	Company or (	Operator)	ROLEUM CURP.	, Well No	, in.	NE	1/4 NW 1/
)Ġ	S	25	T 23S R 36E	NMPM	Langu	at	·Por
(Uni	t) Ies		(Lease) T. 23S, R. 36E  County. Date Spudded	30 A0 A0			
			County. Date Spudded	10/19/49	, Date Comple	ted12/	/24/49
Plea	ase indicate	location:	_			•	
			Elevation 3348		ы3637	, P.B	
			Top oil/gas pay	2955	. Prod. F	orm	Yates
			Casing Perforations:				
	.		Depth to Casing shoe	of Prod. String	3460		••••••
		<u>'</u>	Natural Prod. Test				BOPI
			based on	bbls. Oil in	•	.Hrs	Mins
	************	••••••••	Test after acid or shot	•••••••••••••••••••••••••••••••••••••••			BOPI
<b>Casing</b> Size	and Comer Feet	nting Record Sax	Based on	bbls. Oil in	**************************************	.Hrs	Mins
13"	60	75	Gas Well Potential	13,200 M	CFPD AOF		,
8 5/8	1195	700	Size choke in inches		·		
51"	3460	200	Date first oil run to ta	nks or gas to Tran	smission system:.	5/8/5	<b>Q</b>
			Transporter taking Oil	or Gas: EL F	aso Natura	l Gas	Co
emarks:	••••••••		·			****************	
					· 		
T L				and complete to the	e hest of my kno	 wledge	•
nerei pproved	•	DEC 31 19	mation given above is true a	THERN CALL	ORNIA PETR	OLEUM(	ORF
-F		*****************************		$\nearrow$	(Company or O	perator)	-
O	IL/CONSE	RVATION	COMMISSION	By:	Mauni (Signatur		•••••
	(1)	Hanley		ma Petro	leum Engin	•	
y:\_ <u></u> , F-		Lonny		* * * * * * * * * * * * * * * * * * *	Communications r		ell to:
itle	ymeer D	istri <del>ct Y</del> /		Name SCUT			
				Add Box	1071, Midla	and. Te	exas

? - [ 5 (Revised 7/1/52)

## NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

It is necessary that Form C-104 be approved before this form can be approved an an initial allowable be assigned to any completed Oil or Gas well. Submit this form in QUADRUPLICATE.

# CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Company or Op	perator SOUTHERI	NCALIFORNIAPE CO	TR	OIEUMLeasc <u>N1</u> ORATION	na Lankfor	<b>đ</b>
Address	P. O. Box	( 1071		······································	land. Texa	B
•				, T235, R366,		
	•	e.				
					0	
Authorized Tra	nsporterTexas	-New Mexico Pi	pe:	Line Co.	<b>A</b> ddi	ess of Transporter
	41 cont on Field (	one of the same of	<b>,</b> .	M1(	dland, Tex	15
				Other Transporters author		
from this unit a	arc					
••••••		·		· · · · · · · · · · · · · · · · · · ·		%
REASON FOR	FILING: (Please of	check proper box)			·	
NEW WELI	••••••		3	CHANGE IN OWNERS	SHIP	<b>_</b>
CHANGE IN	TRANSPORTER		3	OTHER (Explain under	Remarks)	
REMARKS:						
Culberts Corporat	on & Irwin,	Inc. purchased	рЪ	Southern Califo	ornia Petro	leum
				of the Oil Conferentian Co	munician have b	on complet with
				of the Oil Conservation Co	,	
Executed t	his the 14th	day of	<b>-</b>	January		1953
			30	SOUTHERN CALIFO	RNIA PETRO	LEUM_CORP.
Approved	9x - 1	J, 195	フ	Sett		nunai
$\bigvee_{j} A$	CONSERVATION (	COMMISSION		Ву		
By Con	y yun	urally la	•	TitleMana	zer	
Title		<u> </u>	••			

### OIL CONSERVATION COMMI

SANTA FE, NEW MEXICO

## Miscellaneous Reports on

Wells<sup>23 1958</sup>

Title

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERATIONS	REPORT ON REF	AIRING WELL			
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL	REPORT ON PULLING OR OTHERWISE ALTERING CASING				
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	REPORT ON DEE	PENING WELL			
REPORT ON RESULT OF PLUGGING OF WELL	REPORT OF P	RESSURE TEST	Х		
	October 18, 19	50 Midla	nd, Texas		
OIL CONSERVATION COMMISSION, SANTA FE, NEW MEXICO. Gentlemen:	Date	Plac	:•		
Following is a report on the work done and the results obta Culbertson & Irwin, Inc.	ined under the heading r Nina Lenkford	oted above at the	in the		
NE/4 Company or Operator 25 Langlie-Mattix Field The dates of this work were as follows:	238	36T	II tite		
Langlie-Mattix of Sec	Lea	R,	N. M. P. M.,		
Field	JC-10-50		County.		
The dates of this work were as follows:					
In compliance with Commission Rule 24 hours and pressure test taken of weight gauge showing 1179.3#.	402, above we n October 10,	ll shut in for 1950, with dea	d		
Witnessed by	Culbertson &	Irwin, Inc.	Supt.		
Subscribed and sworn before me this	I hereby swear or aff	rn that the information			
18th October 50		3 1	n given above		
Daniel Familia	Name	MINI	n given above		
Notary Public	Position Pres	dent	764		
,	Position Pres		764		
My commission expires Jum 1, 1951	Position Press	dent rtson & Irwin	, Inc.		
My commission expires Jum 1, 1951  Remarks:	Position Press	crtson & Irwin Company or Operator  1, Fidland, T	, Inc.		
My commission expires	Position Press	crtson & Irwin	, Inc.		

Form C-103	
TATION	
FIUM	<b>)</b>

### OL CONSERVATION COMMI. JON

Santa Fe, New Mexico

### MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by sheeking below.

The state of the s	onal instructions in the Rules and Regulations of the Co	mmission.
REPORT ON BEGINNING DRILLING OPERA-	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL	REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	REPORT ON DUAL COMPLETION	X
T I	February 16, 1950 Midland	, Texa!
OIL CONSERVATION COMMISSION, SANTA FE, NEW MEXICO Gentlemen:	Date Place	
Following is a report on the work done and the results of Culbertson & Irwin, Inc. Hi		in the
Company or Operator of Sec. 25	Lease 23S R. 36E N.	M. P. M.,
Lanalie-Mattix Field,		County.
The dates of this work were as follows:	1/27 - 2/6, 1950	
Notice of intention to do the work was (was ast) su	tained. (Cross out incorrect words, 987 ing befor	<u> 1950</u>
Bec attached sheet		
Witnessed by J. I. Brown	Culbertson & Irwin, Inc. Drlg.	Sup <b>t.</b>
Name	Company Tit	le
Subscribed and sworn before me this  16th day of February 1950	I hereby swear or affirm that the information gives is true and correct.  Name	en above
March Franklin	Position President	· · · · · · · · · · · · · · · · · · ·
Notary Public	Representing Culbertson & Irwin, I. Company or Operator	no.
My commission expires June 1, 1951	Address Box 1071, Midland, Texa	8
Remarks:	Roy yashras	ili fi.
AFFROVED	Titl	e

143 2 0 4950

Well was originally completed on December 24, 1949, for an initial production of 30 bbls. daily from the Queen sand. Authority to perforate and produce gas from the Yates was granted by the Oil Conservation Commission on January 24, 1950. The well was killed with mud - tubing pulled and the 5½" casing perforated as follows:

88	holes	from	2955-2998
20	11	77	3005-3015
26	17	ú	3025-3038
70	11	Ħ	3045-3080
50	11	71	3145-3170
20	11	Ħ	3180-3190

The 2 3/8" tubing was then run back to 3612' with an American packer set at 3378-3384' and an Otis side door choke in the tubing at 3187'. The packer was set and the mud in the tubing and between the tubing and casing was circulated out and displaced with oil - the Otis choke was then closed - the tubing was swabbed and the well cleaned up and started producing oil from the Queen.

Pressure built up on the casing to 800# and the well was opened and unloaded the oil load above the packer and between the tubing and casing. The well was blown for several hours to clean up. Absolute open flow was 13,200 MCF (back pressure test).

Shut in casing pressure was 1183#.

1.

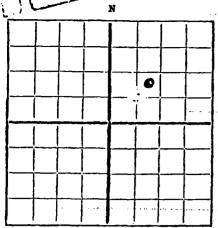
## OIL CONSERVATION COMMISSION --- STATE OF NEW MEXICO



## CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OF COMPLIANCE

Company or Operator Culhertson &	1rwin, inc. Lease line Lankford
Address Jal, new Mexico	Box 1071, Midland, Texas
Unit_0 Wells No.1 Sec25_ T231	R 36 Field Langlio-Mattix County Loa
Kind of Lease	Location of Tanks SW/4 HE/4 Section 25
Transporter Texas-liew Mexico Pipe	Line Address of Transporter
	of oil to be transported Other transporters author-
(Principal Place of Business)	of oil to be transported
ized to transport oil from this unit are	none%
REMARKS:	
be valid until further notice to the transport vation Commission of New Mexico.	ve described property and that this authorization will the named herein or until cancelled by the Oil Conser- of
	CULBARTON & IMAN, INC.
	Compay of Operator)
	By MMMMMM
	Title Fresident
State of TEXAS	_)
State of TEXAS  County of KIDLALD	ss.
Potors me the undersigned putherity on	thisday personally appeared A. QUEE RESON
known to me to be the person whose name iduly sworn on oath states that he is authorize stated herein and that said report it true an	ed to make this report and has knowledge of the facts d correct.
Subscribed and sworn to before me, thi	s the 28th day of Documbor 1949
	Darene Franklin
Notary Public in and for Midland  Approved: 12 - 25 - 19	
OIL CONSERVATION COMMISSION	
By ROLLO Warkerselfk.	
(See Instr	uction on Reverse Bide)
V 684 8 WEN CONTRACTOR	

PORA C-105



AREA 640 ACRES LOCATE WELL CORRECTLY

## NEW MEXICO OIL CONSERVATION COMMISSION BS OFFICE

### WELL RECORD

Mail to Oil Conservation Commission, Santa Fo, New Mexice, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (7). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Culbertson & Ir	win, Inc.	Box 1071	. Midland, Texas
Company	r Operator		Address 7 235
Lease			County.
Well is 1650 feet south o	f the North line and	650 feet west of the East line	or Section 25
If State land the oil and gas leas	e is No	Assignment No	***************************************
If patented land the owner is	Hina Lankford	Addre	SS
If Government land the permitt	ee is	Addre	ss
The Lessee is Culbert	son & Irvin, le	Ç. Addre	ss
Drilling commenced OCt.	19 19 4	9. Drilling was completed	Dec. 24 19 49
Name of drilling contractor	l_cll_tenedial	ervice	ss Occuen, Texas
Elevation above sea level at top	of casing 3348	feet.	
The information given is to be k	ept confidential until		19
	OIL SA	INDS OR ZONES	
No. 1, from3515	to 3525	. No. 4, from 3630	to 3635
No. 2, from3555	to3575	No. 5, from	to
			to
<b>A</b>	IMPORTA	NT WATER SANDS	
Include data on rate of water inf	low and elevation to whic	h water rose in hole.	
No. 1, from	to	fect	
No. 4, from	to	feet	
	CASI	NG RECORD	

	WEIGHT	THREADS	1		KIND OF	CUT & FILLED	PERFO	RATED	PURPOSE
SIZE	PER FOOT	PER INOH	MAKE	AMOUNT	SHOE	FROM	FROM	TO	PURPUSE
13	4.8	8	Used	60	T.P.				Conductor
8 5/6	28		"	1195	T.P.				Surface
-5½	14	8	Hor.	3460	La 111 bu	rton-Plos	t		011 string
	· · · · · · · · · · · · · · · · · · ·	<del></del>	ļ	ļ					
			<u> </u>		 				<u></u>
	·	·	<u> </u>	<b></b>			<u>[</u>		3.44 + 35

FIZE OF	SIZE OF CASING	WHERE SET	NO. SACKS CEMENT	NETHODE USED	MUD GR	MA TIV	DAZU DUM 40 TAUO
16"	13	60	75	Ehllibur	ton		
! 11"	8 5/8	1195	700	11			
. 8"	5 <u>\</u>	3460	200	, 41,			
		•	1	PLUGS AND ADA	PTERS		
Heaving	plug—Ma	terial		Lengt	h	Depth Set	***************************************
Adapters	s — Mater	ial			. Size	****************	
÷	•		RECORD OF SI	HOOTING OR CH	EMICAL TREA	TMENT	•
SIZE	SHEL	L USED	EXPLOSIVE OR OHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
35"	Ti	n	Ritro	250	12/3/49	3637-3537	T.D.
						3525-3500	•
no	netur	al tent.	**************************************				
			RECORD OF	DRILL-STEM AN	D SPECIAL TE	STS	
If drill-st	tem or oth	er special test	s or deviation surv	eys were made, sul	omit report on s	eparate sheet and	attach hereto.
	. •			TOOLS USE	)	•	
Rotary to	ools were t	ised from	C feet			feet	tofeel
				-			tofce
Oubic to	om were a		·				
Thirt to m	wedsets.	Do <b>o</b>	24	PRODUCTION	<b>V</b>		
-					of fluid of which	n 100 en	vas oil;%
					s gasonne per 1,	,000 cu. 1t. of gas	***************************************
Rock pre						• •	•
	ИisT	LLING CO	MITTACTOR'S	EMPLOYEES	•		
	B. 00	on, Jr.		Driller			Driller
11	m Teli	<u>fino</u>		, Driller		PA::	Driller
			FORMATI	ON RECORD ON	OTHER SIDE		
I hereby	swear or a	ffirm that the	information give	n herewith is a con	plete and correc	ct record of the wel	il and all work done on
it so far a	as can be	determined fr	om available reco	rds.		·	
Subscribe	ed and swo	rn to before r	me this 27th	্দুৰ ব	dland,	105	Occ. 27, 1949
day of	Dece	mber		149 Nar	ne	UUVV	Mu
-					•		
	Jaren	in stai	Plin Notary P	ublic Rep			rwin, Inc.
Mv Comir	nission exp	ires Juno	1, 1951				d. Taxas

APPROVED

### FORMATION RECORD

PROM	то	THICKNESS IN FEET	FORMATION
0 50 100 200 700 750 1180 1285 1500 1280 2000 2250 2280 2350 2350 2575 2750 2790 2930 3000 3070 3250 3500 3500 3550 3575 3575 3600	50 100 200 700 750 1180 1285 1500 1285 1500 2250 2250 2350 2350 2575 2750 2750 2750 2750 2750 2750 27	50 50 100 500 500 430 105 215 300 100 250 120 120 120 120 120 120 120 12	Sand & gravel Red & gray shale Sand & shale Red rook Anhydrite Salt, anhydrite & red rock Calt & anhydrite Anhydrite Salt Anhydrite Salt Anhydrite Salt Anhydrite Salt Anhydrite Salt Line & sand Line Line & sand Line Sand & line Line Sand Line Sand Line Sand Line Sand Line Line Line Sand Line Line Line Sand Line Line Line Sand Line Line Line Line Sand Line Line Line Line Line Line Line Line
			T.D. 3637

### OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OF	ERA-	REPORT ON R	EPAIRING WELI	.	:
REPORT ON RESULT OF SHOOTING OR CHICAL TREATMENT OF WELL	HEM-		ULLING OR OTH	TERWISE	!
REPORT ON RESULT OF TEST OF CAS	SING	REPORT ON D	EEPENING WE	LL	
REPORT ON RESULT OF PLUGGING OF W	FLL				,
	November	29, 1949	Midland,	Texas	
OIL CONSERVATION COMMISSION, SANTA FE, NEW MEXICO Gentlemen:		Date		Place	
Following is a report on the work done and the Culbertson & Irwin, Inc.	e results obtai N1na I	ned under the headir Ankford	g noted above at Well No. 1	the	
NE/4 Company or Operator  NE/4 of Sec.	26	Lesse	R 36E		
Langlio-Mattix Field,	_	<u> </u>			-
The dates of this work were as follows:		11/25/49			
Notice of intention to do the work was (wee		ted on Form C-102	on 11/12		19.9
5½" casing set at 346 Plug drillad 11/25/49 and shut-off obtained and dril	tested w	1th 1200# pu	mp pressure	e. Comp	lete
Witnessed by J. L. Brown		bertson & Ir		Asst. Si	<del></del>
Subscribed and sworn before me this.		I hereby swear or aftis true and correct	irm takt the into	rmation give	n above
29th day of November	1949	Name	MARIO	1100	
Anne Frankew	i	Position President	ient	<u> </u>	
Notary 1	Public		rtson & Irv	vin. Inc.	
		Representing Culbe:			·
My commission expires June 1, 195		•	mpany or Operat		
	1	•	mpany or Operat	or	·

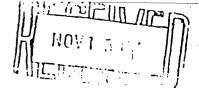
Title

101m (-102

### NEW EXICO OIL CONSERVATION COM .....SION

SANTA FE. NEW MEXICO

### MISCELLANEOUS NOTICES



Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

### Indicate nature of notice by checking belows

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	X	NOTICE OF INTENT		OR
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENT OTHERWISE AI		
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENT	ION TO PLUG WI	EILL
NOTICE OF INTENTION TO DEEPEN WELL			·	
1	Midlar			12, 1949
		Place	Date	
OIL CONSERVATION COMMISSION, Santa Fe, New Mexico.			,	
Gentlemen:			e e	
Following is a notice of intention to do certain wor Culbertson & Irwin, Inc.		cribed below at the Lankford	Well No. 1	in NE/4
Company or Operator Le	850	M. P. M., Lang	lie-Mattix	W-1 1 1
Lea County.	, N.	м. Р. м.,		Field.
$5\frac{1}{2}$ " $14\#$ J-55 new seamles with total depth of 3461, as 11, 1949, with 200 sacks. We november 14 and test with 100	nd cer ill le 00# pu	nented by Hall: et set 60 hours imp pressure.	iburton Noves, drill plu	ember ig
	- i		: '	
•				
		•		
Approved 19_except as follows:	<del></del>	CULBERTSO	pany or Operator	[NC.
		Ву	Milion	- 1
		Position President	dent.	
		Send commun	ications regarding	
OIL CONSERVATION COMMISSION,		Name Culberts	son & Irwin,	Inc.
By May- yaylayaya		Address Box 107	l, Midland,	Texas
			**************************************	•

### OL CONSERVATION COMMI. ION

Santa Fe, New Mexico

## MISCELLANEOUS RÉPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission. Indicate nature of report by checking below.

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REPORT ON BEGINNING DRILLING OPERA-	X REPORT ON REPAIRING WELL
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL	REPORT ON PULLING OR OTHERWISE ALTERING CASING
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X REPORT ON DEEPENING WELL
REPORT ON RESULT OF PLUGGING OF WELL	
	November 1, 1949 Midland, Texas
OIL CONSERVATION COMMISSION, SANTA FE, NEW MEXICO Gentlemen:	Date Place
Following is a report on the work done and the resulting the transfer to living the.	Its obtained under the heading noted above at the
Company or Operator	Lenge
	T. 238 , R. 368 , N. M. P. M.,
ionello-liettix Field,	LCB County.
The dates of this work were as follows: 1	
Notice of intention to do the work was (was not)	submitted on Form C-102 on 10/28 1949
and approval of the proposed plan was (was not)  DETAILED ACCOUNT OF V  Drilling a commenced 10/19/49.	work done and results obtained
i pressure gas encountered a and comented to surface with	and cemented to surface on 10/21/49. t 720'. 8 5/8" casing set at 1195' 700 macks 10/28/49. Drilled plus, pressure. Shut off obtained and
Witnessed by death in Drown	Culbertson & Irwin, Inc. Asst. Supt.
- Name	Company Title
Subscribed and sworn before me this	I hereby swear or affirm that the information given above is true and correct.  Name
Darene Thankoin	Position President
Notary Public	The state of the s
My commission expires June 1, 1951	Address Box 1071, Maland, Texas
Remarks:	1161/ 40x64/14/1 Name
	Title

## LEXICO OIL CONSERVATION COM

SANTA FE. NEW MEXICO

### MISCELLANGOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified in the begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature	of noti	ce by checking belows	-				
NOTICE OF INTENTION TO TEST CASING SHUT-OFF	x	NOTICE OF INTENCHEMICALLY	TION TO SHOOT OR TREAT WELL				
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING					
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL					
NOTICE OF INTENTION TO DEEPEN WELL							
	idla	nđ, Tezas	October 28,	1949			
		Place	Date				
OIL CONSERVATION COMMISSION, Santa Fe, New Mexico.							
Gentlemen:		•					
Following is a notice of intention to do certain work Culbertson & Irwin, Inc. Nina	k as des Lank	cribed below at the	_Well No. 1in	11E/4			
Company or Operator Les	90	M. P. M., langl		Field.			
Too	N .	M. P. M.,	· · · · · · · · · · · · · · · · · · ·	F 101G.			
	DDOD	OCED DI AM OR TI	ZODIZ				
FULL DETAILS OF							
FOLLOW INSTRUCTIONS IN THE RU	LES A	ND REGULATIONS (	JE THE COMMISSION				
6 5/8", 32% scamless casis of 1200', and comented to surface on October 28, 1949.	ng 90 n	t st 1195° with 700 socks	th total depth by Halliburton				
hill let set 48 hours and	dril	l plug Ge <b>to</b> bar	r 30, 1949.				
Will test with 1000% pump	pres	sure.					
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			÷				
			•				
- 4 × 400		CHILL DESCRIBE	on & IRWIN, INC				
Approved QC 5 1 245 19 except as follows:		<del></del>	page or Operator/	•			
except as lonows.			1//////	<del>_</del> -			
en e	10.0	By Allin	annomina				
••		Position Trong	ident nications regarding well	to			
oil conservation commission,		Name Culhertac	on & Irvin, Icc	<b></b>			
By 1/1/ (144/4/1/4/1		Address	71				
Title		Midland, Texas					

NOTICE OF INTENTION TO DRILL

	$\mathcal{L}_{i}$
Notice must be given to the Oi. Conservation Commission of its proper	accon ad approval obtained before drilling!
begins. If changes in the proposed plan are considered advisable, a copy	of this making above and above will be
returned to the sender Submit this notice in triplicate On an all L'	of this notice showing such changes will be
returned to the sender. Submit this notice in triplicate. One copy will be instructions in Rules and Regulations of the Commission.	returned following approval. See additional
man decions in Adies and Regulations of the Commission.	310

	ELULEHU, LUXEU.	10- 14- 47
	Place	Date
OIL CONSERVATION COMMISSION.		
		The state of the s

Santa Fe, New Mexico,

Gentlemen:					•	
Y	ou are hereby	notified that it is o	our intention to con	amence the dril	ling of a well to be	known as
Culber	tson & I	rwin Inc.	Nina Len	ord ,	Vell No. 1	in 1311/4 12/4
	Сотра	iny or Operator	1.	usekio		
of Ser_2	5, T	235 <u>r 365</u>	, N. M., P. M	ottix	Field,I.C	County.
	H	The well is	1650 feet (	(S.) of th	e North line a	nd 1650 feet
		XXX (W.)	of the EDST	line of So	otion 25, 23	-36
	1	(Give	location from secti	on or other leg	al subdivision lines	. Cross out wrong
	•	directions.)				
		If state lan	d the oil and gas le	ase is No	Assignment	No
	_ _ _	If patented	land the owner is	Inina (C	M MINETOTA	<del></del>
			<u> </u>			
	1 1 1 1					
	1-1-1-1	_				
		•	B <u>.</u>			<del> </del>
AREA	640 ACRES					
LOCATE WE	LL COBRECTI	We propose	_		t as follows:	·
		<u> </u>	(१०८०)	ed to rope	ol depth	
					eneral Rules and P	legulations of the
Commission	is as follows:	. Cul	pertaun & T	win inc.	Blancot	
We propose	to use the foll	lowing strings of ca	sing and to land or	cement them a	s indicated:	
Size of Hole	Size of Cnaing	Weight Per Foot	New or Second Hand	Depth	Landed or Committed	Saoka Cement
16"	23"	48,	lien	901	Cemented	To surfac
11"	R E/RO	28	Ņ	12001	<b>P</b>	97 61
12.11	8 5/8" 5 1/2"	28/ <b>15</b> /	ft	3450	11	200 Backs
		- <i>&gt;</i> ;;				
If changes in	the shows pla	n hacoma advisable	we will notify you	hefore cementis	ng or landing easing.	We estimate that
		gas sand should of				We calimate that
Additional in	formation:	If comerci	el production	n is obto	ined in the	Sucon aand
at appro	יס 3500 נ	wo will as	k for approv	ral of a c	iuel complet	ion; Gus from
Yatos ti	aro perfe	orations in	5 1/2 " and	oil from	queen thro	tubing with
		sing botwoo		ely yours,		
• -	s follows:	<u> विक्रिके र मुख्यम</u> •	Iy Dincer			٠.
CACCPS			<del></del>	Culbert	mon A Irida	Inc.
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•			By 🏒	HUMA	ALL VIVINIA	7
			Positio	n Iros	ildont	
our c	ONSERVAŢI	on commission,	Send o	ommunications	regarding well to	
By	1/114/03	1. 11/1/1.	Name_	- Abovo C	onpony	
1	1	• 1	7. * * *		<u>-</u>	

### DOYLE HARTMAN

A Alice J

Off Operator
500 N. MAIN
P. O. BOX 10426
MIDLAND, TEXAS 79702

January 25, 1944 E. G. 27 1984

OIL CONSERVATION DIVISION

SANTA FE

State of New Mexico Energy and Minerals Department Oil Conservation Division Post Office Box 2088 Santa Fe, New Mexico 87501

Attention: Mr. Michael Stogner

Re: Administrative Procedure
Infill Finding
Lankford No. 2
1980 FNL & 1980 FEL (G)
Section 25, T-23-S, R-36-E
Lea County, New Mexico

### Gentlemen:

Pursuant to Section 271.305 of the Final Rules and Regulations of the Federal Energy Regulatory Commission relating to Section 103 of the Natural Gas Policy Act of 1978, and to Order R-6013-A of the New Mexico Oil Conservation Division, we hereby request an infill finding (NFL) for the above captioned Lankford No. 2 located 1980 FNL & 1980 FEL (G) Section 25, T-23-S, R-36-E, Lea County, New Mexico.

With regard to our request, and in accordance with Order R-6013-A, we submit the following:

- Rule 5 A copy of approved Form C-101 for the infill well and Form C-102 showing the proration unit dedicated to the well are enclosed.
- Rule 6 The name of the pool in which the infill well has been drilled is Jalmat (Gas) Pool, and the standard spacing unit therefor is 640 acres.
- Rule 7 The number of the Administrative Order approving the simultaneous dedication and 120-acre non-standard proration unit dedicated to the well is SD-84-1.
- Rule 8 Table 1 attached to William P. Aycock's letter dated January 20, 1984 shows the following:
  - a. Lease name and well location;
  - b. Spud date;
  - c. completion date;

New Mexico Oil Conservation Division a January 25, 1984
Page 2

- d. a description of any mechanical problems experienced along with a summary of remedial action(s) taken and the results obtained;
- e. the current rate of production;
- f. date of plug and abandonment, if any, and;
- g. a clear and concise statement indicating why the existing well(s) on the proration unit cannot effectively and efficiently drain the portion of the reservoir covered by the proration.
- Rule 9 Letter dated January 20, 1984 from William P. Aycock submits geological and engineering information sufficient to support a finding as to the necessity for an infill well including:
  - a. formation structure map;
  - the volume of increased ultimate recovery expected to be obtained and a narrative describing how the increase was determined;
  - c. any other supporting data which the applicant deems to be relevant which may include:
    - 1. porosity and permeability factors
    - 2. Production/pressure decline curve
    - 3. effects of secondary recovery or pressure maintenance operations
    - 4. C-104 and C-105 (including Inclination Report)
    - 5. Scout Ticket and Well Log Summary for Doyle
      Hartman's Lankford No. 2 (Infill Jalmat (Gas)
      Well)
    - 6. Scout Ticket and Well Log Summary for Doyle Hartman's Lankford No. 1.
- Rule 10 This application for infill finding is being filed in duplicate with the Santa Fe office of the Oil Conservation Division.
- Rule 11 All operators of proration or spacing units offsetting the unit for which this infill finding is sought have been notified of this application by certified or registered mail.

We respectfully request that the Commission grant our request for an infill finding pursuant to Order R-6013-A.

New Mexico Oil Conservation Division January 25, 1984
Page 3

Very truly yours,

DOYLE HARTMAN .

Michelle Hemline

Michelle Hembree Administrative Assistant

/mh

Enclosures as above

cc: Mr. William F. Carr Campbell, Byrd and Black, P.A. Post Office Box 2208 Santa Fe, New Mexico 87501

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#### WILLIAM P. AYCOCK & ASSOCIATES, INC.

Petroleum Engineering Consultants 308 WALL TOWERS WEST MIDLAND, TEXAS 79701 PHONE 915/683-5721

January 20, 1984

New Mexico Department of Energy and Minerals, 0il Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501 JAN 27 1984

OIL CONSERVATION DIVISION SANTA FE

Attention: Mr. Mike Stogner

Subject:

Administrative Application for Infill Well Findings

for Doyle Hartman's Lankford No. 2 Well, Section 25, Township 23 South, Range 36 East,

Jalmat Pool, Lea County, New Mexico.

#### Gentlemen:

Application is hereby made for an administrative infill well finding effective with initial gas deliveries for the described well. In accordance with Exhibit "A", Order R-6013-A, the following are furnished:

- Rule 5: Attached are copies of the Forms C-101 and C-102 for the application well.
- Rule 6: The name of the pool in which the infill well has been drilled is the Jalmat Pool, and the standard spacing therefore is 640 acres per well.
- Rule 7: The non-standard proration unit and unorthodox well location and simultaneous dedication were approved administratively by Order SD-84-1 dated October 17, 1983, a copy of which is attached hereto.
- Rule 8: Sections "a." through "f." are included on the attached "Summary of Required Information, Rule 8, Exhibit "A", Order No. R-6013-A.

> Section "g." requires "...a clear and concise statement indicating why the existing well(s) on the proration unit cannot effectively and efficiently drain the portion of the reservoir covered by the proration unit." The Jalmat Pool reserviors beneath the described proration unit were (Prior to the drilling and completion of the "application well") assigned to the Doyle Hartman (Petroleum Corporation of Texas) Lankford No. 1 well, located in Unit G of Section 25, Twp. 23 South, Range 36 East @1650' FS&EL. This well was originally completed December 24, 1949, from Langlie-Mattix Pool open hole between depths of 3485 feet and 3635 feet; the well was dually completed with the Jalmat Pool, between depths of 2955 and 3190 feet, in February, 1950. The Jalmat Pool completion had an absolute potential of 13,700 MCF/D. The last production from the Langlie-Mattix Pool interval was in May, 1959; This well has been a singly completed Jalmat Pool gas well since that time. As of January 1, 1984, the Jalmat Pool completion had produced an accumulated gas volume of 5626.4 MMCF and was producing at a rate of approximately 35 MCF per day.

> The observed wellhead shut-in pressures from the pre-existing well and the application well indicate that the pre-existing well was not effectively and efficiently draining the 120-acre proration unit simultaneously dedicated to the preexisting and application wells; because of both the variation in effective permeability and the length of time the Jalmat Pool Yates and Seven Rivers geologic intervals have been produced in the vicinity of the application well, the interpretation of observed static pressures is not straight forward. Doyle Hartman's considerable experience in the Jalmat Pool under contemporary conditions is that, depending upon the degree of formation damage existing subsequent to drilling a well and setting and cementing casing in the well, the most representative initial shut-in wellhead pressures may be observed either immediately after clean up of the initial acid breakdown or after hydraulic fracture treatment. Further, apparent cross flow of gas from less depleted to more depleted intervals within the Jalmat Pool occurs at the same time, and such cross flow effectively substantially reduces the observed pressure. Accordingly, the following pressures were observed for the pre-existing and application wells.

WELL	DATE	OBSERVED SHUT-IN WELLHEAD PRESSURE, PSIA
•		
Lankford 1	July 13, 1982	97 • 2
Lankford 1*	December 31, 1983	84.4
Lankford 2	January 3, 1984	104.2
Lankford 2**	January 17, 1984	208.2
Lankford 2	January 18, 1984	121.2

<sup>\*</sup>Estimated from prior BHP/Z as function of cumulative gas.

\*\*Peak flowing casing pressure subsequent to unloading fluid after formation gas was produced subsequent to hydraulic fracture treatment. The actual shut-in could be equal to or greater than the observed 208.2 psia

Therefore the wellhead pressures observed while completing the Lankford No. 2 are between 20.0 psia and 123.8 psia greater than the estimated shut-in wellhead pressure at December 31, 1983 for the Lankford No. 1, indicating ineffective and inefficient drainage from the 120-acre proration unit assigned simultaneously to the Lankford No. 1 and the Lankford No. 2.

### Rule 9:

Section "a." requires that a formation structure map be submitted; attached is a Yates formation structure map of that portion of the Jalmat Pool including and immediately surrounding NW/4 NE/4 and S/2 NE/4 Section 25, Twp. 23 South, Range 36 East.

Section "b." requires that the "volume of increased ultimate recovery expected to be obtained and a narrative describing how the increase was determined "be submitted. The estimated ultimate gas recovery for the Doyle Hartman Lankford No. 2 well is at least 127 MMCF and could be equal to or greater than 456 MMCF. The estimates of increased ultimate recovery for the application wells were accomplished as follows:

(1)	Well	logs for	r the	Hartman	L٤	ankford	No.	2	were	analyzed	,
	with	results	summa	arized	as	follows	3:				

Mean Porosity, Fraction of Bulk Volume 0.173

Mean Connate Water Saturation,
Fraction of Net Effective Pore Volume 0.243

Net Effective Pay Thickness, Feet 86.

The gross pay interval consistent with the above is 156', so the ratio of net effective pay to gross pay is 86 divided by 156 or about 55 percent.

(2) The production tests for the Hartman Lankford No. 2 dated January 19 & 20, 1984, were analyzed, with results summarized as follows:

Stabilized Deliverability
Coefficient, MCF/day
per psia/2 0.126896 0.0214076

Initial Stabilized Wellhead Shut-in Pressure
(Pc), psia 121.2 208.2

Initial Gas Formation
Volume Factor, scf/rcf 8.103 14.149

(3) The results of steps (1) and (2) were then combined, resulting in the following:

#### Original Gas-in-place

MMCF/Acre MMCF/120 Acres	3.98 478	- :	6.95 834
Est. Gas Rec. Factor, Fcn. of O.G.I.P.	0.631	٠,	0.756
Est. Ult. Recovery, MMCF per 120 Acres	302	•	631

The estimated increased gas recovery is then the difference in these estimated remaining gas recovery for the Lankford No. 1 at December 31, 1983 of 174.8 MMCF:

302 -175 127MMCF 631 -175 456MMCF

The economic limit of production based on Doyle Hartman's experience in the Jalmat Pool is about 500 MCF per month.

Section "c." other supporting data submitted include the following:

Gas Production History Tabulation and Graph for both Doyle Hartman (Petroleum Corporation of Texas) Lankford No. 2, (the pre-existing well), and the Conoco Lynn "B"-25 No. 1 located in unit (J) 25-23S, 36E (the nearby key well).

Complete New Mexico Oil Conservation Division (NMOCD) forms on file for both the pre-existing and application wells.

New Mexico Oil Conservation Division Order No. SD-84-1

Daily drilling reports for the period January 18-20, 1984.

We believe that this information adequately documents this application; however, we should be pleased to supply you anything else that you might require in this connection.

Very truly yours,

Wm. P. Aycock P. E.

WPA/vkf Attachments

### TABLE NO. 1

# SUMMARY OF REQUIRED INFORMATION, RULE 8, EXHIBIT "A", ORDER R-6013-A, (Sections "a." through "f.") NATURAL GAS POLICY ACT INFILL FINDINGS, ADMINISTRATIVE PROCEDURE

SECTION OF RULE 8	RULE 8 REQUIREMENT		PRE-EXISTING WELL DOYLE HARTMAN, OPERATOR*	INFILL APPLICATION WELL DOYLE HARTMAN, OPERATOR
a.	Lease Name and Well Location		Lankford No. 1 1650' FNL & 1650' FEL 25-23S-36E	Lankford No. 2 1980' FNL & 1980' FEL 25-23S-36E
<b>b</b> •	Spud Date		October 21, 1949	December 17, 1983
c.	Completion Date		December 24, 1949	January 3, 1984
d.	Mechanical Problems		None	None
е.	Current Rate of Product	ion in the second	Approx. 35 MCF/D	Production Test subsequent to fracture treatment: 386 to 738 MCF/D

Originally completed by Culbertson/White Sand; Petroleum Corporation of Texas prior to operations assumed by Doyle Hartman.

*		<i>ن</i>	0-025-2843
NO. UF COPIES RECEIVED		_	70,10.
DISTIBUTION NEW MEXICO OIL CONSERVA	ATION COMMISSION	Form C-1	, , , , , , , , , , , , , , , , , , ,
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FILE		SA. Indi	cate Type of Loane
U.S.G.S.		ETAT	ret X
LAND OFFICE		.5, State	Oll & Gas Loann No.
OPERATOR			
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR	PLUG BACK		
la. Type of Work		7. Unit /	Agreement Name
DRILL X DEEPEN	PLUG BACK	. 🗆 🖵	· · · · · · · · · · · · · · · · · · ·
b. Type of Well		8. Form o	or Lease Name
OIL GAS X DINCR SING	DNE ZONE		ford
2. Name of Operator		9. Well to	lo.
Doyle Hartman 3. Address of Operator		2	
•		1.	and Pool, or Wildent
Post Office Box 10426, Midland, Texas 79702	<u> </u>	Jalm	at (Gas)
4. Location, of Well UNIT LETTER G LOCATED 1980 FEET	FROM THE North	_ LINE	
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AND 1980 FEET FROM THE East	23S RGE. 36E	NMPM 15	millitiit.
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21. Elevations (show whether DF, RT, etc.) 21A. Kind & Status Plug. Bond 21B. I	Drilling Contractor	122 855	rox. Date Work will star:
and a second	a r		
	Selected		ber, 1983
23.	Selected		
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PROPOSED CASING AND CENTER OF HOLE SIZE OF CASING WEIGHT PER FOOT SE	Selected  MENT PROGRAM  ETTING DEPTH SAG	Novem	ber, 1983
23.  PROPOSED CASING AND CENTER SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SET 12 1/4 9 5/8 36.0	Selected  MENT PROGRAM  ETTING DEPTH SAC  400	Novem CKS OF CEMEN 500	t EST. TOP Surface
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23.  PROPOSED CASING AND CENTER SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SET 12 1/4 9 5/8 36.0	Selected  MENT PROGRAM  ETTING DEPTH SAC  400	Novem CKS OF CEMEN 500	t EST. TOP Surface
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### STATE OF NEW MEXICO

### ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

TONEY ANAYA

October 17, 1983

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 1505) 827-5800

Doyle Hartman
P. O. Box 10426
Midland, Texas 79702

Attention: Michelle Hembree

Administrative Order SD-84-1

Gentlemen:

You are hereby authorized to simultaneously dedicate an existing 120-acre non-standard proration unit comprising the NW/4 NE/4 and S/2 NE/4 of Section 25, Township 23 South, Range 36 East, NMPM, Lea County, to your Lankford Well No. 1 located at a point 1650 feet from the North line and 1650 feet from the East line of said Section 25, and your Lankford Well No. 2 to be located 1980 feet from the North line and 1980 feet from the East line of said Section 25, both in Township 23 South, Range 36 East, NMPM, Jalmat Gas Pool, Lea County, New Mexico.

Further, you are hereby permitted to produce the allowable from any of the wells on the proration unit in any proportion.

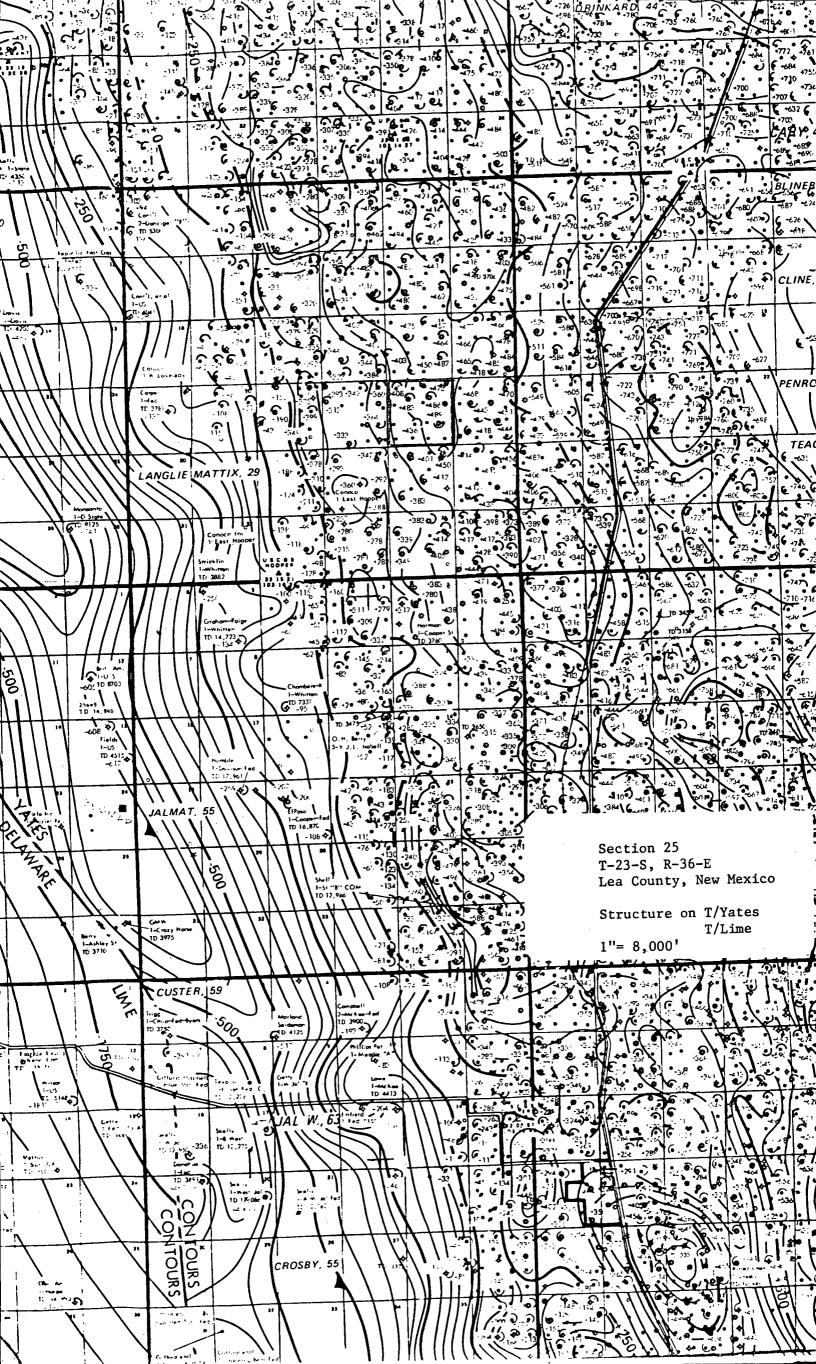
Sincerely

JOE D. RAMEY

Director

dr/

cc: Oil Conservation Division - Hobbs
Oil and Gas Engineering Committee - Hobbs
Bureau of Land Management - Hobbs



January 4, 1984 (1)...(e)

Fill out only Sections I. H. M. and VI for changes of owner well name or mailto, or transporter or other such change of condition

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Separate Lorms C-104 must be filled for each pool in multiple

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2. Name of Operator	ER DE	EPIN RACE	L RES		Jan Buckle		-1111	1	Well No.	710
Doyle Hartm	an .				JAN	27 1984			2	
A A Steers of an orator		<del></del>						10.		i Pool, er Wildent
Post Office	Box 10426	, Midland, T	exas 79	9702 C	CONSE	EVATION D	IVISIO	N	Jalmat	(Gas)
4. Location of Well		,, .		<u> </u>	S	ANTA FE			77777	mminn
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UNIT LETTER G	LOCATED	1980 FEET I	ROM THE _ N	North	LINE AND	1980	reri	FROM	/////	
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THE East LINE OF	sec. 25	TWP. 235 RG	ε. 36E	NMPM				///// L	ea	
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12-17-83	12-23-	83 1-3	-84		33	348.5 G.	L		33	48
26. Total Depth	21. +	rlug itack T.D.		Multiple Cny	Compl., Her	v 23. inte Dri	ervalis iled Hy	, notary Too	ols	Cable Tools
3700		3697			<u> </u>			0-3700		<u> </u>
24. Producing Interval	s), of this comp	letion - Tup, hotto:	n, Name						25	<ol> <li>Was Directional Survey</li> <li>Made</li> </ol>
ļ	_									
2962-3239	(Yates-Se	ven Rivers)								No
26. Type Electric and									27. Va.	s Well Cored
CDD-SNL, Gua	ard-Forxo				·	·			<del></del>	No
26.		<del></del>	<del></del>		rt all strings					1
CASING SIZE	WEIGHT L	i			ESIZE	<del></del> -		G RECORD		AMOUNT PULLED
9-5/8 1 7	36	400		12-1		250 (				None
<del> '</del>	23	3/0	O RKB	8-3	14	850 (	circ)	<u> </u>		None
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S!ZE	TOP	воттом	SACKS CEI	MENT	SCREEN	SIZ	E	DEPTH	SET	PACKER SET
			1			2-3/8	8	3080		None
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11. Perforation Record	(Interval, size c	and number)	<u>-</u>		32.	ACID, SHOT,	FRAC	TURE, CEME	NT SQUE	EEZE, ETC.
22 shots wit	h one sho	t each at:		[	DEPTH	INTERVAL		AMOUNT A	ND KIND	MATERIAL USED
2962, 2965,	2982, 298	4, 2997, 2999	9, 3014,		2962-	3239	A/	6000 gal	<u>ls 15%</u>	MCA
3027, 3030,	3033, 304	5, 3127, 3129	9, 3138,	ļ		·		· · · · · · · · · · · · · · · · · · ·		
	3163, 316	6 <b>,</b> 3169 <b>,</b> 318:	1, 3237,							
3239		<del></del>						· <del></del>		
Date Pirst Production	13300	auction Method (Flor		PRODU	<del></del>	tiona numni		TwD	Il Status (	(Prod. or Shut-in)
1-3-84	í _		eing, gas tijt	; · pampin	ig = orde and	Type pumps		- !	Shut-i	
Egg of Test	Hours Tested	mping   Choke Size	Fred'n, F		oil – Ell.	Gas - h	ICE .	Water - B		Gas - Gil Fiatio
1-3-84	24	12/64	Test Perl			58	.0,			
Flow Tuiling Press.	Casing Press		- Oil - Btl.		Gas - M	!	Water -	_l Bhl.	1011 6	ravity - API (Corr.)
60	60	How hate		-	58	1		<del>-</del>		
34. Disposition of Gas	.ł <del></del> .	uel, vented, etc.)	<u></u>					Test Witne	essed By	
Vented	,							L. Ne	rmyr	
25. List of Attachments	<del></del>	<del></del>						<b>-</b>	<del></del>	
Inclination		-104								
36. I hereby certify that			s of this form	n is true	and complete	to the best	of my ki	muledge and	I belief.	
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SIGNED OOL	helle No	and luke:		س4 کے نہ	inistrat	ive Ass	istan	T 0.4T	Jan	. 4. 1984

This form is to be filed with the appropriate District Office of the Commission not later time To days after the completion of any newly-drilled or despond well. It shall be accompanied to me copy of all electrical and radio-activity load. For the well and a summary of all special tests conducted, including drill stem tests. All development shall be measured do this. In the case Collectronally drilled wells, true vertical docts shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each some. The term is to be filed in quintuplicate except on state land, where six copies are required. See Bule 1105.

### INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Sot	itheastern New Mexico	Northwe	estem New Mexico
T. Anhy 1183	T. Canyon	T Ojo Alamo	T. Penn. "B"
		T. Kirtland-Fruitland	
			T. Penn. "D"
			T. Leadville
T. 7 Rivers 3186	T. Devonian	T. Menefee	T. Madison
T. Queen 3550	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Qtzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T
T. Blinebry	T. Gr. Wash	T. Morrison	T
			T
T. Drinkard	T. Delaware Sand	T. Entrada	T
T. Abo	T. Bone Springs	T. Wingate	т
•			т
		· ·	т
T Cisco (Bough C)	T	T. Penn. "A"	T
	OIL OR	GAS SANDS OR ZONES	
No. 1, from 2962	6 3239	No. 4, from	toto
No. 2, from	to	No. 5, from	
No. 3, from	to	No. 6, from	to
	IMPO	RTANT WATER SANDS	•
Include data on rate of water	inflow and elevation to which water	er rose in hole.	
No. 1, from	to		•••••••••••••••••••••••••••••••••••••••
No. 2, from	to	feet	***************************************
No. 3, from	to	feet.	***************************************
No. 4, from	to	fcet.	***************************************
	FORMATION RECORD (A	Attach additional sheets if necessary	)
To Thickness	Formation	From To Thickness	Formation

From	То	Thickness in Feet	Formation	From	То	Thickness in Feet	Formation
1183	1280	97	Rustler (Anhydrite)		·	·	
1280	2785	1505	Salado Salt (Salt & Anhydrite)				
2785	2946	161	Tansill (Dolomite & Anhydrite)				
2946	3186	240	Yates (Dolomite & Sandstone)		 		
3186	3550	364	Seven Rivers (Dolomite & Sandstone)	<u> </u> 			
3550	3662	112	Queen (Dolomite & Sandstone)				•
3662	3700	38	Penrose (Dolomite & Sandstone)				
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TO EVICE CAMMA EAV	3400 - 3500 -	PBTD@	Correction	
TO EVICE CAMMA EAV	3400 - 3500 -	PBTD@	MIUTEC 100001	

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COMPANY	Doyle Hartman	מ	
WEII	Lankford No.	2	<del></del>
WELL	·		
FIELD	Jalmat (Gas)		
LOCATION	1980 FNL & 19		
	<del></del>	r-23-s, R-36-E	
	(23-36-25-G)		<del></del>
COUNTY _	New Mexico		<u></u>
ELEVATION	5:	KB	
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	COMPLE	TION RECORD	
	12-17-83		1-3-84
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CASING RECO	209-5/8 @ 400 w	<del></del>	
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STIMULATION	A/6000		
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_IP	IPF= 58 MCFPD		
GORTP	.60	GR CP 60	
CHOKE	12/64" TUBI	2-2/0	<b>@</b> 3080
REMARKS			
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Original Comp. 3485-3635	3300	
Original Comp. 3485-3635 (12-24-49)	3300 3400	
Original Comp. 3485-3635 (12-24-49)	3300 3400	
Original Comp. 3485-3635 (12-24-49)	3300 3400	
Original Comp. 3485-3635 (12-24-49)	3300 3400	
Original Comp. 3485-3635 (12-24-49)  R. D. 2498' A. D. 2500' C. BERSON A IRWIN INC.	3300 3400	
Original Comp. 3485-3635 (12-24-49)	3300 3400	
Original Comp. 3485-3635 (12-24-49)  A. D. 3488' A. D. 3500' C. BERSON A IRWIN INC.	3300 3400	TD@ 3637

SOMPANY	Petroleum Corp. of Texas					
	(Culbertson/White Sand)					
WELL	Lankford No. 1					
FIELD	Langlie-Mattix & Jalmat					
LOCATION	1650 FNL & 1650 FEL (G)					
·	Section 25, T-23-S, R-36-E					
	(23-36-25-G)					
COUNTY	<u> Lea</u>					
STATE	New Mexico					
ELEVATIONS:	КВ					
	DF3354					
3-28-83	G					

	GL
	COMPLETION RECORD
,	
SPUD DATE	10-21-49 COMP. DATE 12-24-49
то	3637 РВТО
CASING RECORD	13 @ 60 w/75
	8 5/8 @ 1215 w/700
	5 1/2 @ 3460 w/250
PERFORATING RECORD	OH: 3485-3635
STIMULATION	Natural
IP	IPF=30 BOPD
GOR	GR 34
TP	150 CP 400
CHOKE	TUBING 2 @ 3600
REMARKS	
	2-50: Dual. Perf 2955-3190.
	CAOF 13200 MCF.
	G 52 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
· · · · · · · · · · · · · · · · · · ·	
· · · · · · · · · · · · · · · · · · ·	444
	5-59 Last Langlie Mattix (Oil)
	Production - Cum Prod: 12.3 MBO.
· · · · · · · · · · · · · · · · · · ·	110000000000000000000000000000000000000
	1982 Jalmat Cum: 5579 MMCF
	1702 0431140 04111 0077 12-1-
	1982 Jalmat Avg. Prod: 157 MCFPD
	1902 balliac Avy. 1100. 20. 1
	· ·
	<u> </u>

1.	UISTRIBUTION SANTA FE FILE U.S.G.S. LAND OFFICE TRANSPORTER GAS OPERATOR OFFICE	REQUES	CONSERVATION COME SION T FÖR ALLOWABLE AND RANSPORT OIL AND NATURAL	Thim C-104 Supersedes Old C-104 and C- Utiective 1-1-65 GAS
	Reason(s) for filing (Check proper bo New We!!  Recompletion  Change in Ownership	Change in Transporter of:  CII Dry C	Other (Please explain) Gas ensate	7602/
H.	DESCRIPTION OF WELL AND Lease Name Lankford Location Unit Letter G; 1650	LEASE   Well No.   Pool Name, Including I   Jalmat (Gas) - N	Formation Kind of Leas Yates State, Federa	Lease No.
	Name of Authorized Transporter of Oil Name of Authorized Transporter of Ca El Paso Natural Gas If well produces oil or liquids, give location of tanks.  If this production is commingled wi	singhead Gas 🗍 or Dry Gas 🄀	Address (Give address to which appropriate Post Office Box 1384, Jis gas actually connected?	ved copy of this form is to be sent)  Val, New Mexico 88252
	Designate Type of Completic  Date Spudded  Elevations (DF, RKB, RT, GR, etc.)	Date Compl. Ready to Prod.  Name of Producing Formation	New Well Workover Deepen Total Depth Top O!1/Gas Pay	Plug Back   Same Restv.   Diff. Restv.   P.B.T.D.   Tubing Depth
	HOLE SIZE	TUBING, CASING, AND CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
	TEST DATA AND REQUEST FOOLL WELL Date First New Oil Run To Tanks Length of Test Actual Pred. During Test	OR ALLOWABLE (Test must be a) able for this de  Date of Test  Tubing Pressure  Oil-Bbis.	fter recovery of total volume of load oil opth or be for full 24 hours)  Producing Method (Flow, pump, gas lift)  Casing Pressure  Water-Bbls.	
	GAS WELL Actual Frod. Test-MCF/D Tenting Method (pitos, back pr.)	Length of Test  Tubing Pressure (Fhut-in)	Bbls. Comensque/MMCF  Coming Fressure (Shut-in)	Gravity of Concernate  Choke Size
ı L	DERTIFICATE OF COMPLIANCE hereby certify that the rules and recommission have been complied without is true and complete to the	gulations of the Oil Conservation ith and that the information given	APPROVED APR 22 ORIGINAL SIGN	TION COMMISSION  1983 . 19  ED BY JERRY SEXTON  I SUPERVISOR
	Administrative Assistant April 20, 1983, to 1	stant be effective May 2, 1983	well, this form must be accompanters taken on the wall in accord All sections of this form mustable on new and secumpleted weight out only Sections I. II. well name or number, or transports	this for a newly drilled or deepend and by a tabulation of the deviation and with MULE 111.  The filled out completely for allowing.  III. and VI for changes of owner.

NO. OF COMES NI CEIVED			. G	. Form (	
- DISTRIBUTION	<u> </u>	_a	1		cdes Old / / and C-103
SANTA FE	NEW MEXI	CO OIL CONSERVA	TION COMMISSION		Ive 1-1-65
FILE					
U.S.G.S.			•	Sa. Indica	te Type of Lease
LAND OFFICE		Ť		State	Fee. K_
OPERATOR		1		5. State C	II & Gas Lease No.
	······································	<u> </u>	<del></del>		
SUN LOG NOT USE THIS FORM FOR	DRY NOTICES AND R	EEPEN OR PLUG BACK I O	A A STEEL OF THE STATE OF THE S		
[1.	TOTAL TOTAL PERMIT - TOTAL	C-101) FOR SUCH THE		7. Unit Ac	reement Name
WELL X GAS WELL	OTHER•				,
2. Isame of operator			JAN 27 1984	8. Farmo	Lease Name
Petroleum Corporat	tion of Texas	<i>`\\</i>		Tank	ford
3. Address of Operator		OIL	CONSERVATION DI	VISION 9, Well No	
Box 911, Brecker	nridge, Texas 7	6024	SANTA FE	a	1
4. Location of Well				10.*Field	and Pool, or Wildcat
G	1650	North	1650 FE	1.	ie Mattix (Oil)
UNIT LETTER	FEET FROM TH	£ LI)	E AND FE	ET FROM	
East	25	23S	36E		
1HI LINE, SI	ECTION 25 TOWN	SHIP	RANGE	_ HMPM	
mmmmm	15 Flevetion	(Show whether DF, R	T. CR. etc.)	12. Count	<del>///////////////////////////////</del>
		354'	,,,	Lea	
		<del></del>		<del></del>	. Million
	ck Appropriate Box To	Indicate Nature	of Notice, Report	or Other Data	
NOTICE OF	F INTENTION TO:		SUBSE	QUENT REPOR	ΓOF:
· —			,		
PERFORM REMEDIAL WORK	PLUG AN	ABANDON . REME	DIAL WORK		ALTERING CASING
TEMPORARILY ABANDON		COM	ENCE DRILLING OPHS.	_	PLUG AND ABANDONMENT
PULL OR ALTER CASING	CHANGE	PLANS CASI	G TEST AND CEMENT JQB		
•	'	ه احدا	THER	<del></del>	
OTHER	· · · · · · · · · · · · · · · · · · ·		•		
17. Neg tribe Proposed or Complete	d Operations (Clearly state a	ll pertinent details, ar	d give pertinent dates, in	cluding estimated d	ate of starting any proposed
work) SEE RULE 1103.					,
·					
	temporarily aban				
into El Paso	's sales line at	their existing	g line pressure	. We plan t	o attempt
to produce t	he Langlie Mattix	again in this	s well when the	other zone	in this
dually compl	eted well is depl	eted. The ot	her side of this	s dual is pr	oducing
from the Jal	mat (Gas) Field.			:	
					•
•			•		•
	,				
				•	
			•	,	
	•			•	
				•	
		,			
			•		
			,		
•					
18. I hereby/certify that the information	tion shove is true and comple	te to the heat of my b	nowledge and belief.	· · · · · · · · · · · · · · · · · · ·	
10.1 nereby/certify that the information				•	
1111111111					
SIGNED / Way /S	177 . I KA I	Dwadii	tion Clark		3/2//75
	· Trylor	TITLE Produc	ction Clerk	DATE_	3/24/75
	· Trylor	Produc	ction Clerk	DATE	3/24/75
	Trylor	TITLE Produc	ction Clerk	DATE	3/24/75

CONDITIONS OF APPROVAL, IF ANY:

	<del></del>			_		
NO. OF COPIES RECEIVED	<b>j</b> (/) .	.E	•	(		
DISTRIBUTION SANTA FE	N	NEW MEXICO ÉL C			SSION	Form C-104 Supersedes Old C-104 and C-1
FILE	4 .	KEYUESi	FOR ALLOW AND	<b>∦ABL</b> E		Supersedes Old C-104 and C-1. Elloctive 1-1-65
U.S.G.S.	AUTHOR	IZATION TO TRA		II AND N	ATURAL (	
LAND OFFICE		APPENDED IN			Ç., .	
IRANSPORTER GAS		107	व्यतिशि	2007至	1	10 39 AH 165
OPERATOR GAS			ع المارسة	عميرور		my og.
PROPATION OFFICE	-		1 H KI 97	1984		
Operator		7,117	JAN -	1904		
Petroleum Corporati	ion of Texas	OIL OIL	CONSERVATI	TON DIVIS	SION	
	· 4-5 m	,	SANTA		AC	
P. O. Rox 752, Brec Reason(s) for filing (Check proper box	:kenridge, 1e	exas 76024		er (Please e	alain) /	
New Well	Change in Tro	ransporter of:	To	change	operati	ing name from White Sands
Recompletion	Oil	Dry Ga	as Oil	.1 S Gas	Corpora	ation.
Change in Ownership X	Casinghead G	7			,	1, 1965.
If change of ownership give name	2 4.0					
If change of ownership give name and address of previous owner	White Sands	Oil & Gas Co	rporation.	, 516 U	ommerc1a	al Bank Tower, Midland, T
	-		-			
Lease Name	LEASE	Well No. Pool Nam	me, including F	'ormation		Kind of Lease
Lankford	·	1 1	Lmat			State, Federal or Fee Fee
Location		<del></del>				
	50 Feet From T	The North Line	and 165	0	_ Feet From T	The East
Olin Cotto					, F Wat :	no
Line of Section 25 Tov	ownship 23S	Range	36E	, NMPM,	<del></del>	Lea County
OF MRANCDOR		THE AT G		•		
DESIGNATION OF TRANSPORT Name of Authorized Transporter of Oil		ND NATURAL GAS		· ddress to	- Lieh approt	ved copy of this form is to be sent)
Name of Authorized		uegie [	Addive	Busies.	wnsen	ed copy of since form
Name of Authorized Transporter of Cas	ininghead Gas	or Dry Gas 📉	Address (Give	address to	which approv	ved copy of this form is to be sent)
El Paso Natural Gas C			Box 1492,	, El Pas	so, Texa	15
If well produces oil or liquids,	Unit Sec.	Twp. Rge.	le gas actually	<del></del>		
give location of tanks.	<u> </u>		Yes			,
If this production is commingled wit	th that from any of	ther lease or pool,			number:	
COMPLETION DATA	† Oil We			Workover	Deepen	Plug Back   Same Resty.   Diff. Resty.
Designate Type of Completio		all Gus	New ne	lotkova.	Deepu.	Plug Back Same Free
Date Spudded	Date Compl. Ready	in Prod.	Total Depth		<u> </u>	P.B.T.D.
Date Spudded	Date semi-	/ 10 r.o	10			P.B. 1
Pool	Name of Producing	g Formation	Top Oil/Gas P	Pay		Tubing Depth
Perforations	<del></del>		<del></del>			Depth Casing Shoe
	7110	ANI		790		<u> </u>
	<del></del>	ING, CASING, AND				
HOLE SIZE	CASING a .	TUBING SIZE	<u> </u>	EPTH SET	·	SACKS CEMENT
	-		1			ļ
		· · · · · · · · · · · · · · · · · · ·	<del></del>			
TEST DATA AND REQUEST FO	OR ALLOWABLE	Test must be a			of load oil a	and must be equal to or exceed top allow-
OIL WELL		able for this der	pth or be for full	1 24 hows)		
Date First New Oil Run To Tanks	Date of Test	,	Producing Meth	nod (Flow, p	pump, gas tiji	i, etc.)
	Dessure		Casing Pressur	<del></del>	<del></del>	Choke Size
Length of Test	Tubing Pressure	J	Casing Five	10	1	Choke Size
Actual Prod. During Test	Oil-Bbls.	<del></del>	Water - Bbls.			Gas-MCF
Actual Pion Danie	On-L.					
<u> </u>	<u> </u>					<u> </u>
GAS WELL						
Actual Prod. Test-MCF/D	Length of Test		Bbls. Condense	ale/MMCF		Gravity of Condensate
technol			Dress!			Choke Size
Testing Method (pitot, back pr.)	Tubing Pressure		Casing Pressur	10	1	Choke Size
AT COURT IAN			<del>l</del>	-'' CC	OVA	- TOPIONI
CERTIFICATE OF COMPLIANC	JE.	<b>,</b> '	d	OIL CC	NSERVA.	TION COMMISSION
and some other enter and s	the	Granuation /	APPROVÉD	n	·	, 19
I hereby certify that the rules and re Commission have been complied w	with and that the i	information given		- <del>-</del> -	<b>A</b>	
above is true and complete to the	best of my know	ledge and belief.	ВУ			
		Į!	TITLE			
1 51	• /	P		in to b	filed in C	ompliance with RULE 1104.
11. de 160.	mite	<u> </u>	l If this i	is a reques	st for allows	able for a newly drilled or deepened
(Signa	atwel Charles	W. Smith	well, this fo	orm must be	oe accompani	ried by a tabulation of the deviation
Office Manager		/	tests taken	on the wel	ell in accord	dance with RULE 111.
(Tito	ilej	· ''	able on nev	tions or and recor	nis form must impleted, well	ils.
			4 <b>1</b>			

1965

September 2,

Fill out Sections I, II, III, and VI only 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.

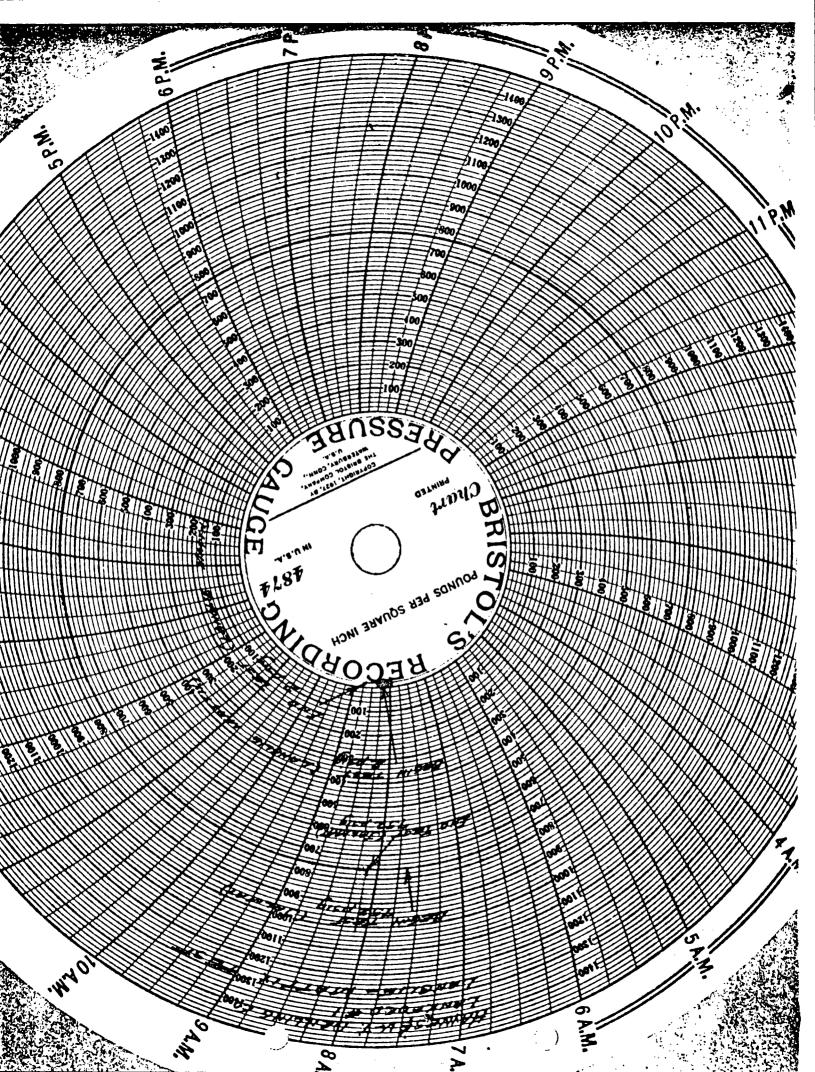
NEW MEXICO OF	NEW MEXICO OIL CONSERVATION CC ISSION  SANTA FE, NEW MEXICO  CERTIFICATE OF COMPLIANCE AND AUTHORIZATION				
TO TRANSPOR	RT OIL AND NATURAL GAS	ж '63 <u></u>			
FILE THE ORIGINAL AND	COPIES WITH THE APPROPRIATE OFFICE 43	1			
Company or Operator WHITE SANDS OIL & GAS CORPORT Hayrneacy6cylocy8cxx8cxx8cxx8cxx8cxx8cxx8cxx8cxx8cxx8c	Lankford	Well No.			
Unit Letter Section Township Range	6E Lea				
Pool Southeast Gas By sools All 12	Kind of Lease (State, Fed, Fee)				
If well produces oil or condensate give location of tanks	Section Township Ran	ge			
Authorized transporter of oil or condensate	Address (give address to which approved copy of this	form is to be sent)			
		4.			
Is Gas Actually Connecte	d? Yes_X_No				
Authorized transporter of casing head gas or dry gas Date Connected	Address (give address to which approved copy of this	form is to be sent)			
El Paso Natural Gas Company If gas is not being sold, give reasons and also explain its present disposition:	El Pase, Texas	<del></del>			
if gas is not being sold, gave leasons and also explain its present disposition.	3721 (24 54 7 (A) 42 (A)				
	JAN 27 1984				
	OIL CONSERVATION DIVISION	·			
REASON(S) FOR FILING	(please check proper 1) A FE				
New Weil	Change in Ownership				
Change in Transporter (check one) Oil	Other (explain below)				
Casing head gas . Condensate . C					
		•			
	3	<del> </del>			
Remarks					
Formerly Haynes & V. T. Drilling Co.					
·					
The undersigned certifies that the Rules and Regulations of the Oil Co	paservation Commission have been complied with.				
Executed this the 11th day of	September, 19 63	•			
OIL CONSERVATION COMMISSION	By				
Approved by	Manager				
	White Sands Oil & Gas Corpo	ration			
Title	Company				
	300 First National Bank Bui	lding			
Date OC1 29 1963	Address				
	Odessa, Texas				

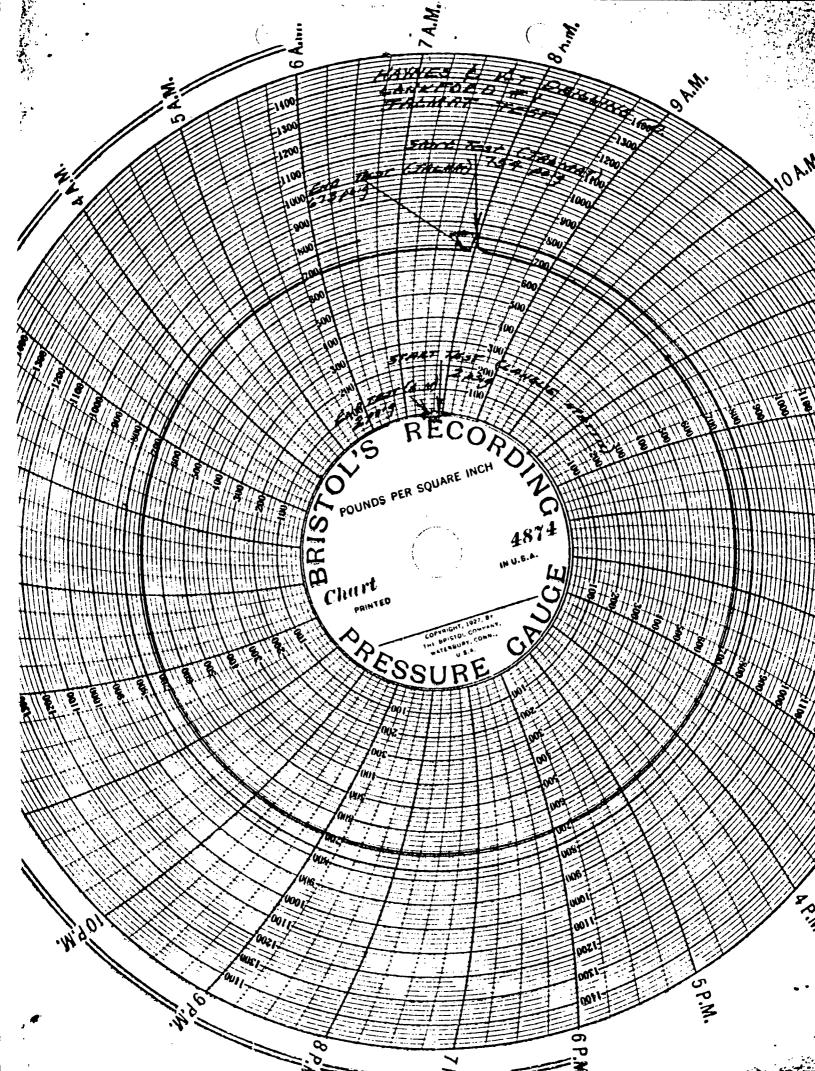
MREN OF COPIES OF CRIVED

## NEW MEXICO OIL CONSERVATION COMMISSION

			•		\ ,
SOUTHEAST	NEW	MEX #CO	PACKER	LEAKAGE	TEST

. •		SOUTHEAS	I NEW PERA	OU I NORTH	DEATH SUMMED	·	
perator		V-T Drilling Con		Lease	Lankford		Well No. 1
Location	Unit	Sec 25	Twp		Rge 36	County	
of Well	<u> </u>		Type of	Prod Met	hod of Prod	Prod. Medium	Choke Size
Jpper	Name of Rese	ervoir or Pool	(Oil or		ow, Art Lift	(Tbg or Csg)	<del> </del>
compl	Jalmat		Gas		Flow	Casing	******
compl	Langlie-M	attix Oil	011		Flow	Tubing	18/64
			FLOW	TEST NO.	1		
30th zone	es shut-in at	t (hour, date):_	<u>, 1c</u>	o:15; 5-3-1	1960		·
Vell open	ned at (hour,	, date):	08	8:00 5-7-1	1960	Upper Completion	Lower n Completio
_	•	e zone producing		•••••	••••	<u>x</u>	
ressure	at beginning	g of test	•••••	•••••	•••••	754	2
Stabilize	d? (Yes or N	No)	•••••	•••••	•••••	Yes	Yes
aximum p	ressure duri	ing test	•••••	••••••	•••••	754	2
inimum p	ressure duri	ing test	•••••		••••••	673	2
Pressure	at conclusion	on of test	•••••	• • • • • • • • •	•••••	····· <u>673</u>	2
		ng test (Maximum		-			
vas pressi	ure change a	nn increase or a	decrease?	• • • • • • • • •	Total Tim	me On	None None
)il Produc	ction		Gas	s Productio	Production	on <b>24</b> Hou	
		bbls; Grav	; Du	ring Test_	3,265	MCF; GOR_D	iry
lemarks		·				·	
		<del></del>	· .		<del></del>		
			FLOW '	TEST NO. 2			
Vell open	ed at (hour,	, date):08:00				Upper Completion	
Indicate 1	by ( X ) t	he zone producir	ng	••••••	• • • • • • • • • • • • •	•••••	<u> </u>
Pressure a	at beginning	of test	•••••	••••	•••••	<u>752</u>	2
Stabilized	d? (Yes or N	io)	•••••	••••••	• • • • • • • • • • • •	Yes	Yes
Maximum pı	ressure duri	ng test	••••		• • • • • • • • • • • •	752	2
Minimum p	ressure duri	ng test	•••••	•••••	• • • • • • • • • • •	752	
		on of test	•				
		g test (Maximum				•	
Was pressu	ure change ar	n increase or a	decrease?.		• • • • • • • • • • •	···· Hone	Hone
Well close	ed at (hour,	date) 08:00	0 5-10-196	60	Total time Production	on 24 Hou	178
Oil Produc	ction	bbls; Grav	Gas	Production	n		
		Zone is Dead.	•				·
· ·							
I hereby o	~	the information	n herein co			· ·	
Approved	,		19	Opera -	tor Rayne	# & V-T Drilling	Company
	co Oil Conser	rvation Commissi		By	XIVI	Gering-	
iv :	11/1	Khi	1/11	Title	2000	Young anager	
litle	5 6-7 t	John Contraction	)///(C	Date.		4.4	<del></del>





### OIL CONSERVATION COMMISSION HOBBS, NEW MEXICO

April 20, 1960

Haynes & V. T. Drilling Co. 1725 N. Grant St. Odessa, Texas

#### Gentlemen:

We are returning the enclosed Packer Leakage Test Form, and request that the well be retested. Also, when the forms are resubmitted, please clarify the lease name and well number.

We wish to call to your attention that a Dual Pen Recorder must be used at the well head and that all pressures must be submitted. Further, the El Paso Natural Gas Co. charts are not acceptable charts for the packer leakage test.

We believe that a careful reading of the instructions on the back of the Southeast Packer Leakage Test Form will enable you to properly conduct the test and complete the form.

Yours very truly.

OIL CONSERVATION COMMISSION

Eric F. Engbrecht Engineer, District 1

mc encl.

CO OIL CONSERVATION CO ISSION SANTA FE, NEW MEXICO Form C-110 Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

### CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GASO 111 8 22

Company or Operator Haynes & V. T. Drill	ing Company Lease Lankford
Well No. 1 (Dual) Unit Letter o S 25	T 23 R 36 Pool Langlie-Mattix
County Lea Kind of Leas	e (State, Fed. or Patented) Pate
If well produces oil or condensate, give loca	ation of tanks: Unit o S25 T23 R 36
Authorized Transporter of Oil or Condensat	e Texas-New Mexico Pipe Line Company
Address P. 0. Box 1510 Midland, T	
	d copy of this form is to be sent)
Authorized Transporter of Gas R1 Paso Nat	
Address P. O. Box 1384 Jal, New F	d copy of this form is to be sent)
lf Gas is not being sold, give reasons and al	- · · · · · · · · · · · · · · · · · · ·
Reasons for Filing: Please check proper box	x) New Well()
Change in Transporter of (Check One): Oil (	) Dry Gas ( ) C'head ( ) Condensate ( )
Change in Ownership(	) Other CHANGE OF OPERATOR (I)
Remarks:	(Give explanation below)
To record change of operator fro	m Southern California Petroleum Corporation
to Haynes & V. T. Drilling Company, of	fective July, 1, 1959.
The undersigned certifies that the Rules and mission have been complied with.	Regulations of the Oil Conservation Com-
Executed this the 7th day of July	_189
	By A Coffering
Approved19	Title Office Manager
OIL CONSERVATION COMMISSION	Company Haynes & V. T. Drilling Co.
By Millian Marie M	Address 1725 North Grant St.
Title	Odessa, Texas

### NEW ME CO OIL CONSERVATION CON ISSION SANTA FE, NEW MEXICO

Form C-110 Revised 7/1/55

(File the original and 4 copies with the appropriate district office)

### CERTIFICATE OF COMPLIANCE AND AUTHORIZATION ?... TO TRANSPORT OIL AND NATURAL GAS

Company or Operator Haynes & V. T. Drilling	Company Lease Lankford
Well No. 1 (Dual) Unit Letter G S 25 T 23	R 36 Pool Jalmat
County Lea Kind of Lease (Sta	ate, Fed. or Patented) Pate
If well produces oil or condensate, give location	of tanks: Unit S T R
Authorized Transporter of Oil or Condensate	None (Dry gas well)
Address	
(Give address to which approved cop	y of this form is to be sent)
Authorized Transporter of Gas R1 Paso Natural	Gas Company
Address P. O. Box 1384 Jal. New Mexico	<u> </u>
(Give address to which approved cop	
If Gas is not being sold, give reasons and also en	xplain its present disposition:
	:
Reasons for Filing:(Please check proper box)	New Well ()
Change in Transporter of (Check One): Oil ( ) I	Ory Gas ( ) C'head ( ) Condensate ( )
Change in Ownership ( ) O	ther CHANGE OF OPERATOR (X)
Remarks:	(Give explanation below)
To record change of operator from Sou	thern California Petroleum Corporation
to Haynes & V. T. Drilling Company, effective	re July 1, 1959.
The undersigned certifies that the Rules and Reg mission have been complied with.	ulations of the Oil Conservation Com-
Executed this the 7th day of July 195	
	By J. V. Spung
Approved19	Title Office Manager
OIL CONSERVATION COMMISSION	Company Haynes & V. T. Drilling Co.
By 1/1/2 /1/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/	Address 1725 North Grant St.
Title	Odessa, Texas

# This form is not to be used for reporting packer leakage tests in Northwest New Hexico NEW MEYICO OIL CONSERVATION COMMISSION ( ) SOUTHEAST NEW MEXACO PACKER LEAKAGE TWS'I'

Operator Southern California Petro				
	leum Corp.	e LANKFORD		ell o. 1
Location Unit G Sec of Well C 25	Twp 23 S	Rge   136 ;	County   <b>E</b> ;	Lea
Name of Reservoir or Pool	Type of Prod (Oil or Gas)	Method of Prod Flow, Art Lift	Prod. Medium	Choke Size
Upper Compl YATES - Jaluat	GAS	FLOW	CSG	1 3/8"
Lower QUEEN - LM	OIL	FLOW	TBG	3/4"
	FLOW TEST	NO. 1	<del></del>	
Both zones shut-in at (hour, date):			:	
Well opened at (hour, date):		4-12-59	Upper Completion	Lowe <b>r</b> Completio
Indicate by ( X ) the zone producing.			<u>x</u>	
Pressure at beginning of test			,	40
Stabilized? (Yes or No)				Yes
Maximum pressure during test	•••••	• • • • • • • • • • • • • • • • • • • •	790	40
Minimum pressure during test		•	790	36
Fressure at conclusion of test	•••••	• • • • • • • • • • • • • • • • • • • •	780	40
Pressure change during test (Maximum )	minus Minimum)	• • • • • • • • • • • • • • • •	10	4
Was pressure change an increase or a	decrease?	• • • • • • • • • • • • • • • • • • • •	DECR.	DECR.
Well closed at (hour, date): 8:30	AM 4-20-59	Total Tir Production	4	•
Oil Production During Test: 0 bbls; Grav	Gas Proc	iuction Test 14004	MCF; GOR	-
Remarks				
	FLOW TEST 1	NO. 2		
Vell opened at (hour, date):			Upper Completion	Lower Completion
Well opened at (hour, date):	3:00 PM 4-	21-59	Completion	Completion
Indicate by ( X ) the zone producing	3:00 PM 4-	21-59	Completion	Completion
Indicate by ( X ) the zone producing	3:00 PM 4-2	21 <b>-</b> 59 Shut.ln	Completion	Completion X
Indicate by ( X ) the zone producing Pressure at beginning of test	3:00 PM 4-2	21-59 Shut.in	Completion820Yes	Completion X 44
Indicate by ( X ) the zone producing Pressure at beginning of test	3:00 PM 4-	21-59 Shut.in		X 44 Yes
Indicate by ( X ) the zone producing Pressure at beginning of test	3:00 PM 4-2	21-59 . Shut in	Completion	X 44 Yes 76
Indicate by ( X ) the zone producing Pressure at beginning of test	3:00 PM 4-	21-59 Shut.in	820 Yes 820 820 820	X 44 Yes 76 44
Indicate by ( X ) the zone producing Pressure at beginning of test	3:00 PM 4-2	21-59 . Shut in	820 Yes 820 820 820 0	X 44 Yes 76 44 44 32
Indicate by ( X ) the zone producing Pressure at beginning of test	3:00 PM 4-2	21-59  Shut in	820 Yes 820 820 820 0	X 44 Yes 76 44 44 32 DECR.
Indicate by ( X ) the zone producing Pressure at beginning of test	3:00 PM 4-2 g  minus Minimum) decrease?  Den - dead Gas Produ	Total time Production	820 Yes 820 820 820 0 24 hrs.	X 44 Yes 76 44 44 32 DECR.
Indicate by ( X ) the zone producing Pressure at beginning of test	3:00 PM 4-2  g  minus Minimum)  decrease?  Den - dead  Gas Produ  During Te	Total time Production est 48	820 Yes 820 820 820 0 0 Completion	X 44 Yes 76 44 44 32 DECR.
Indicate by ( X ) the zone producing Pressure at beginning of test	3:00 PM 4-2 g  minus Minimum) decrease?  Den - dead Gas Produ During Te	Total time Production est 48  for Flow Test	820 Yes 820 820 820 0 0 Completion	Completio  X  44  Yes  76  44  44  32  DECR.
Indicate by ( X ) the zone producing Pressure at beginning of test	3:00 PM 4-2 g  minus Minimum). decrease?  Den - dead  Gas Produ During Tel Swabbed off  5 bbls. and	Total time Production est 48  for Flow Test died.	820 Yes 820 820 820 0 0 4 hrs. MCF; GOR 32.1	Completio  X  44  Yes  76  44  44  32  DECR.
Indicate by ( X ) the zone producing Pressure at beginning of test	3:00 PM 4-2 g  minus Minimum). decrease?  Den - dead  Gas Produ  During Te  Swabbed off  5 bbls. and herein contain	Total time Production est 48  for Flow Test died.	820  Yes  820  820  820  820  0  Complete to the best	Completio  X  44  Yes  76  44  44  32  DECR.
Indicate by ( X ) the zone producing Pressure at beginning of test	3:00 PM 4-2  g  minus Minimum).  decrease?  Den - dead  Gas Production of f  Swabbed of f  5 bbls. and herein contain	Total time Production est 48  for Flow Test died. ed is true and co	820  Yes  820  820  820  820  0  Complete to the best	Completio  X  44  Yes  76  44  44  32  DECR.
Indicate by ( X ) the zone producing Pressure at beginning of test	3:00 PM 4-2  g  minus Minimum). decrease?  Cas Production During Telescope off  Swabbed off  5 bbls. and herein contain	Total time Production est 48  for Flow Test died. ed is true and co Operator So. Cali	S20 Yes 820 820 820 0 24 hrs. MCF; GOR 32,1 No. 2; swabbe	Completio  X  44  Yes  76  44  44  32  DECR.

## NEW MEXICO OIL CONSERVATION COMMISSION HOBDS OFFICE

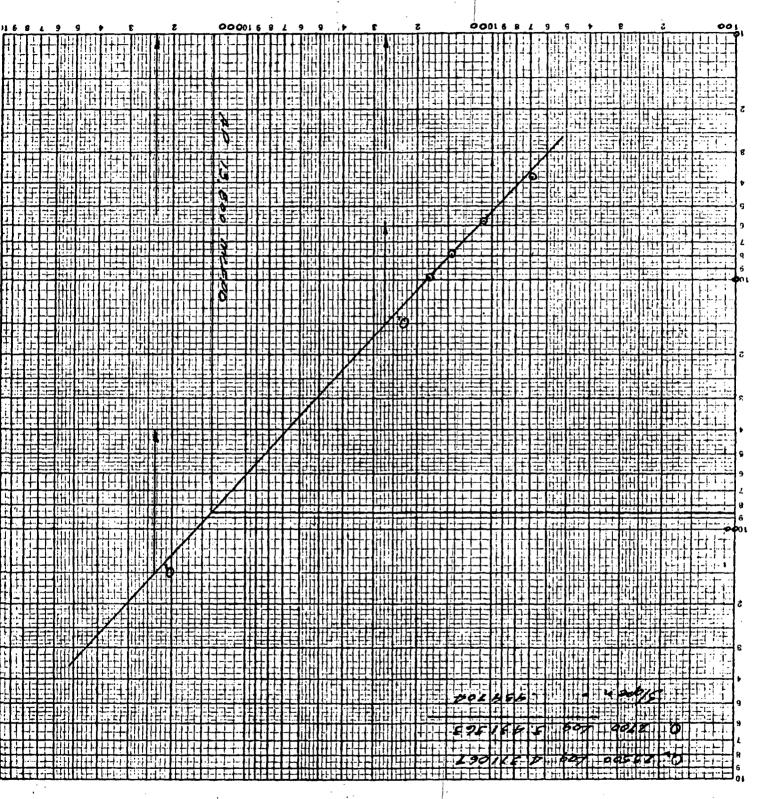
HOBES OFFICE OCC

1957 5-	•	-1	900	Form	C-122
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MULTI-POINT BACK	PRESSURE	TEST	FOR	GAS WELLS	5	Fij	Revised 2 68	12-1-5
,,,,	74 7775						00	

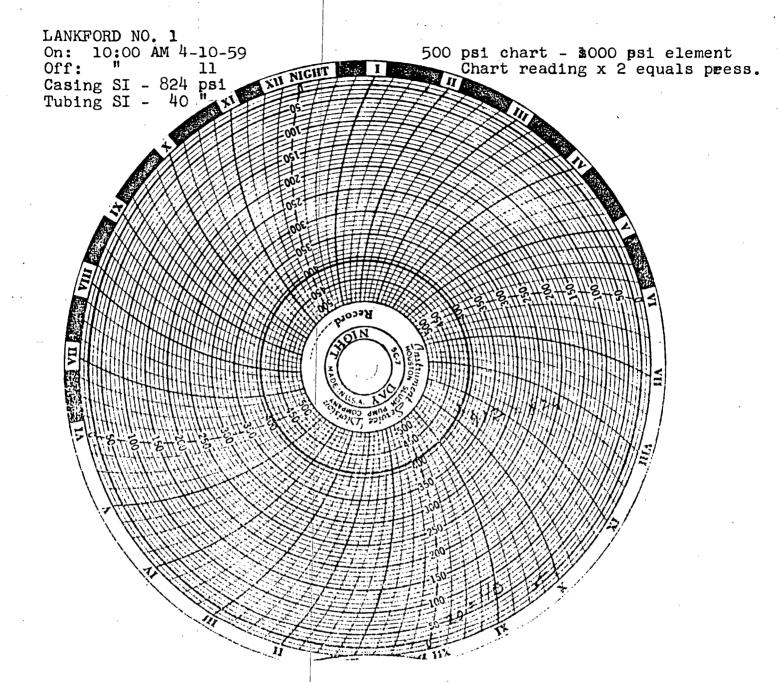
Poo	1	lmet	· '	Fc	rmation	<i>и</i> 8:	40 <b>Yates</b>		County_		A UU	
Ini	tial		_Annual_			Spe	cial	<u> </u>	Date of	Test_1	2-3 to 12-7 195	
Company Southern California Petr. Lease Lankford Well No. 1												
Unit G Sec. 25 Twp. 23 S Rge. 36 E Purchaser El Paso Natural Gas Company												
Casing 5 1/2 Wt. 14 I.D. 5.012 Set at 3460 Perf. 2955 To 3190												
Tubing 2 Wt. 4.7 I.D. 1.995 Set at 3612 Perf. 3577 To 3580												
Gas Pay: From 2955 To 3190 L 2955 xG .650 -GL 1921 Bar. Press. 13.2												
Producing Thru: Casing Tubing Type Well G. O. Dual												
Producing Thru: Casing Tubing Type Well G. O. Dual  Re Single-Bradenhead-G. G. or G.O. Dual  Date of Completion: 2-6-50 Packer 3378 Reservoir Temp.												
OBSERVED DATA												
Tested Through (Meter) (Meter) Type Taps												
			low Data					g Data	Casing Data		]	
No.	(Line)	(Orifi	Pre	ss.	Diff.	Temp.	Press	Temp.	Press.	Temp.	Duration of Flow	
	Size		ice) ze ps	ig	h <sub>w</sub>	°F.	psig	°F.	psig	o <sub>F</sub> .	Hr.	
SI	·								914		72	
$\frac{1}{2}$ .	4	3.6			13.69			<del> </del>	893	<u> </u>	24	
<u>3.</u>	<del>-</del>	1.0			33.06 63.62			<del> </del>	882 870		24 24	
4.5.		1.0			93.12			1	859 *		24	
	* Not enough draw down - orifice too small.  FLOW CALCULATIONS											
	Coeffici	ient		Pre	ssure	Flow	Temp.	Gravity			Rate of Flow	
No.			/h n	1			tor Factor		Factor		Q-MCFPD @ 15.025 psia	
<del>, </del>		117	/ h <sub>w</sub> p <sub>f</sub>	psia			ft Fg		F <sub>pv</sub>			
1.	6.135	<del></del>	111.37			.9768		.9608 .9608	1.08			
3 <sub>e</sub>			171.93 233.13	.98				1.083		1469		
	6.135		284.64			98		9608	1.08		1796	
5.											·	
					PRI	ESSURE C	ALCUIATI	ONS				
	iquid Hydro					cf/bbl.					rator Gas	
avity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid												
1.793 (1-e <sup>-s</sup> ) .124 P <sub>c</sub> 927,2 P <sub>c</sub> 859.7												
7	<b>2</b>		T	1			2.1		2 .	1		
lo.	Pt (psia)	$P_{\mathbf{t}}^2$	F <sub>c</sub> Q		$(F_cQ)^2$	(F	cQ) <sup>2</sup> -e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca P	P <sub>w</sub> P <sub>c</sub>	
	906.2	821.1	1.24	上	1.54		.19	821.3	38.4			
	895.2	801.4	1.93	4	3,72	_[	-46	801.9	57.8	+		
3.	883,2 872,2	780.0	2.63	+	6,92	<del></del>	.86	780.9 761.9	78.8 97.8	<del> </del>		
<u>:</u>		1 4 2 3 1		1				1 70 14				
ibso	Absolute Potential: 13.800 MCFPD; n939											
COMPANY Southern California Petroleum Corporation												
ADDR	ESS	Box 107	1. Midle	nd,	Texas				0000			
AGENT and TITLE Joe A. Coleman, P.R., New Moxico, Cert. No. 2208  Witnessed Well tested by El Pago Natural Cas Company												

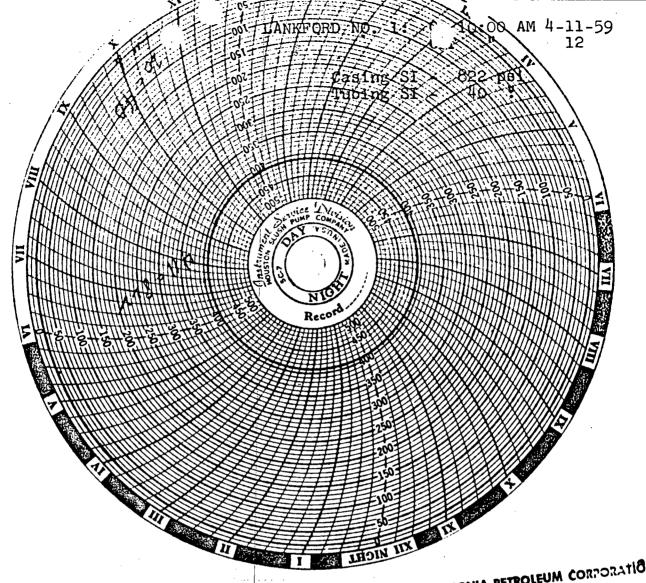
COMPANY



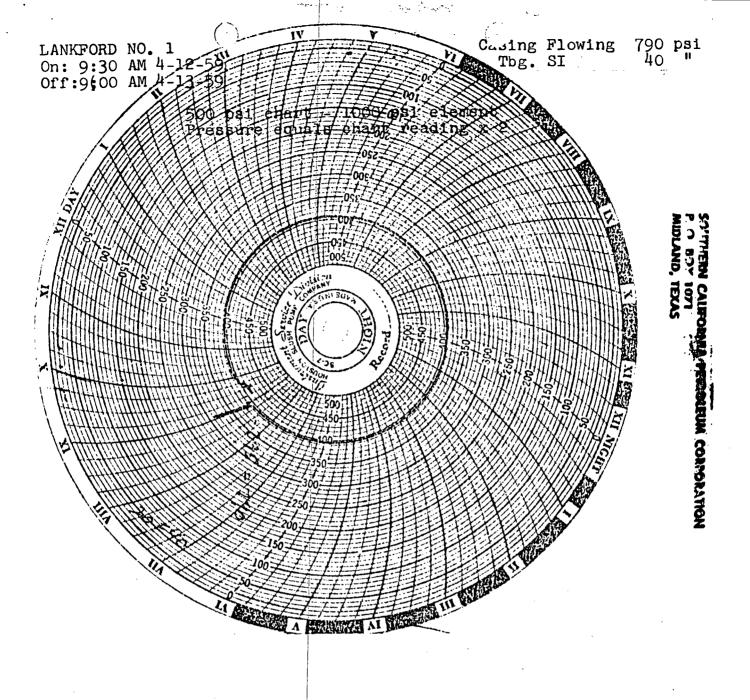
Sec 25-7-26 Lea NA 12-56 Lea , NA N. Sec 25-7-56 Lea , NAN.

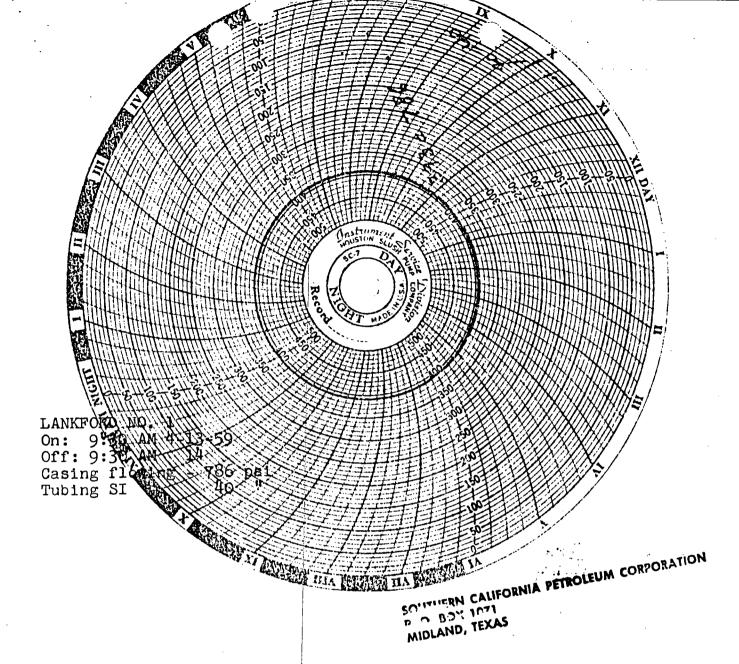
SOUTHERN CALIFY INTO ETROLEUM CORPORATION P. O. BOX 1071 MIDLAND, TEXAS

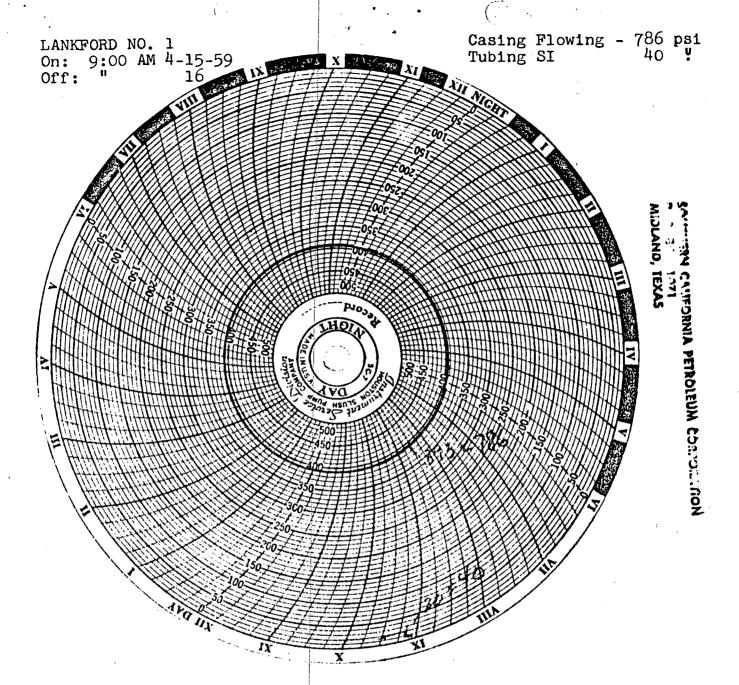


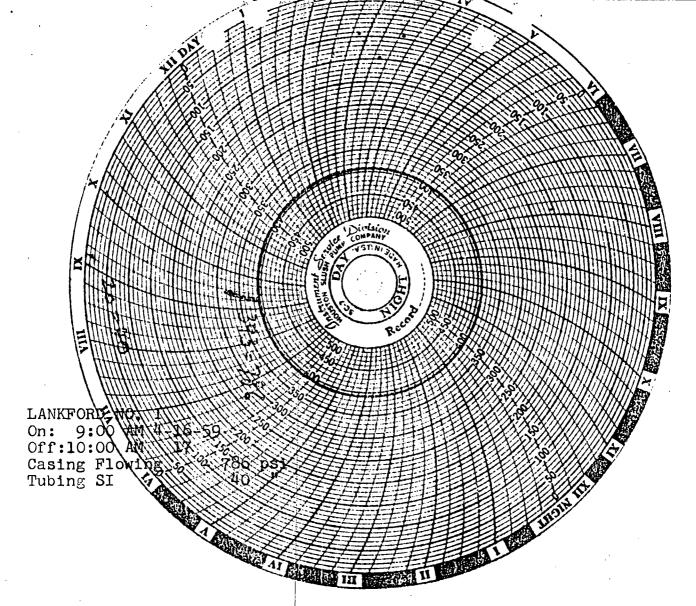


SOUTHERN CALIFORNIA PETROLEUM CORPORATION P. O. BOX 1071 MIDLAND, TEXAS



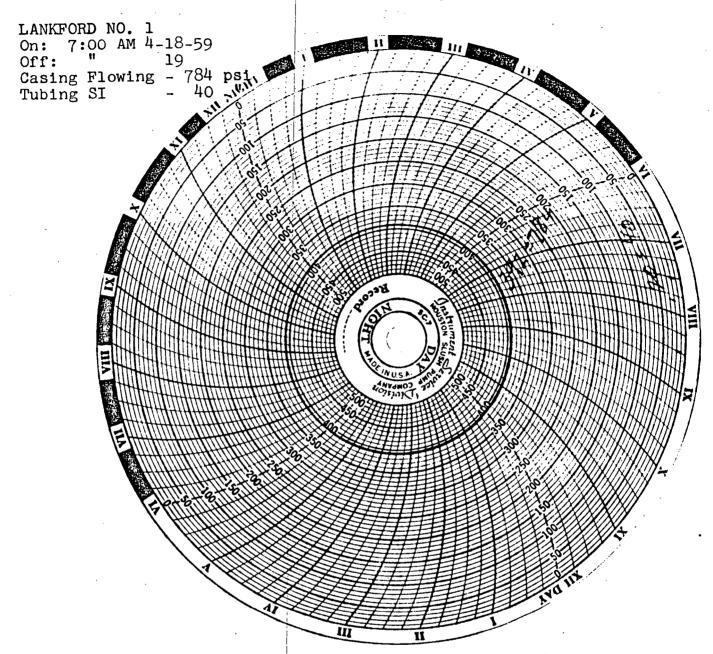


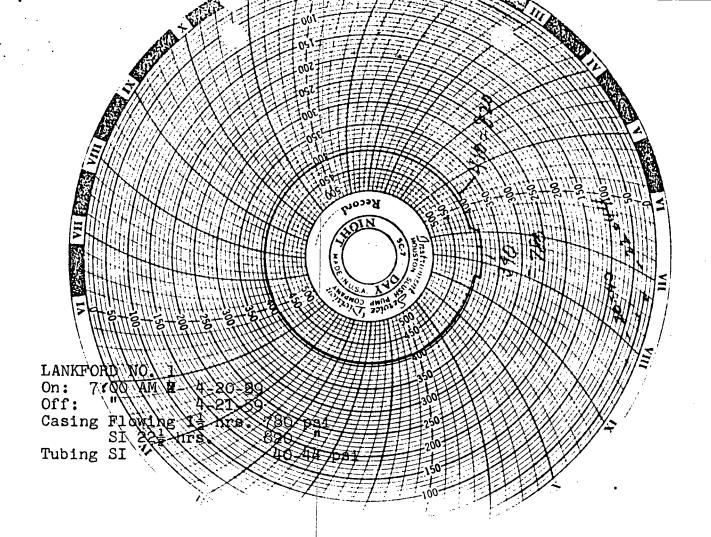




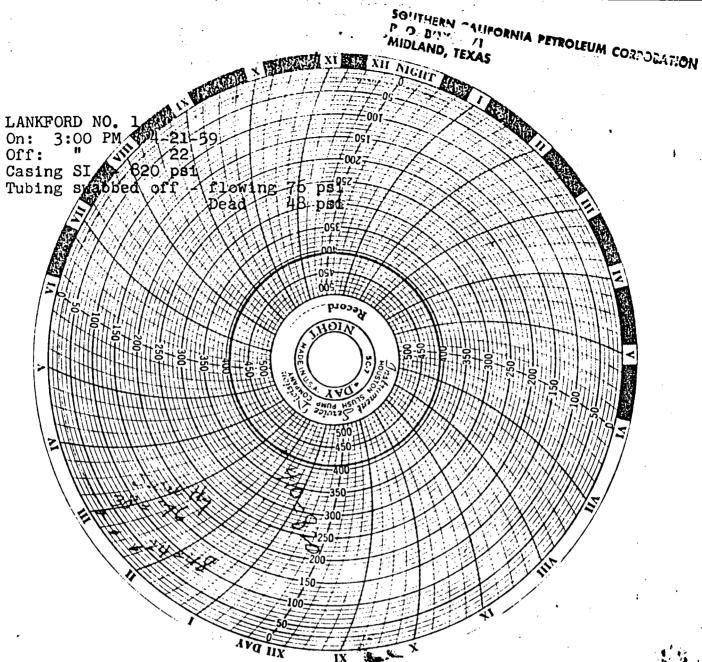
SOUTHERN CAUFORNIA PETROLEUM CORPORATION P O BOX 1071 MIDLAND, TEXAS

SOUTHERN CALIFORNIA PETROLEUM CORPORATION P. O. 3011 1071 MIDLAND, TEXAS

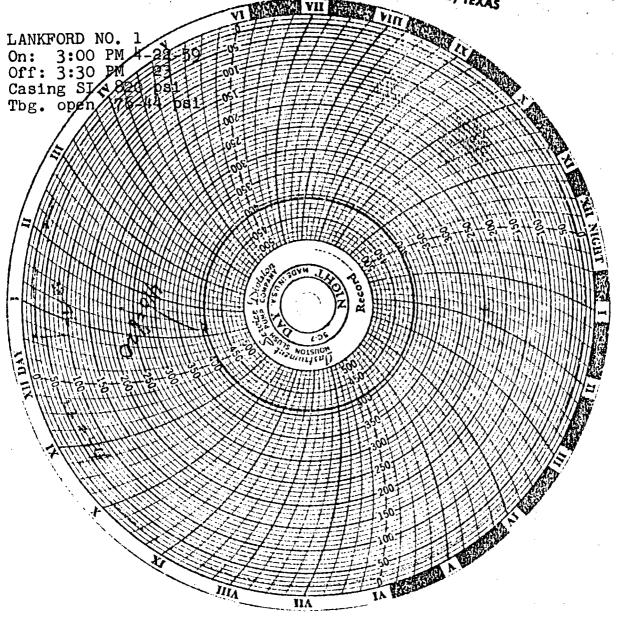




SOUTHERN CALIFORNIA PETROLEUM CORPORATION
P. O. E. 1971
MIDLAND, TEXAS



, L. 18.



#### NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

It is necessary that Form C-104 be approved before this form can be approved an an initial allowable be assigned to any completed Oil or Gas well. Submit this form in QUADRUPLICATE.

E. E. C. 10 M 11: 19

# CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Company or Operator. SOUTHERN CALIFORNIA	PETROLEUM Lease Nina Lankford CORPORATION
Address	P.O.Box 1071, Midland, Texas  (Principal Place of Business)
(Local or Field Office)	(Principal Place of Business)
Jnit G., Well(s) No. 1, Sec. 2	5 T 23S R 36E Pool Jalmat
County Kind of Lea	asc:fee
f Oil well Location of Tanks	
Authorized Transporter El Paso Natural G	as Co. Address of Transporter
(Local or Field Office)	(Principal Place of Business)
Per cent of Oil or Natural Gas to be Transported10	Other Transporters authorized to transport Oil or Natural Gas
rom this unit arc	
	%
REASON FOR FILING: (Please check proper box)	
NEW WELI	CHANGE IN OWNERSHIP
CHANGE IN TRANSPORTER	OTHER (Explain under Remarks)
REMARKS:	
In accordance with your Orde	an R_520
In accordance with your order	er n-520
The undersigned certifies that the Rules and Regula	lations of the Oil Conservation Commission have been complied with
Executed this the31stday of	August 19 54
	SOUTHERN CALIFORNIA PETROLEUM CORP.
Approved, 19	
OIL CONSERVATION COMMISSION	By I Mamon
•	Petroleum Engineer
By	
Title	,

## NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

HODDS GFFIDE CCC

It is necessary that Form C-104 be approved before this form can be approved an an initial allowable be assigned to any completed Oil or Gas well. Submit this form in QUADRUPLICATE.

## CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Company or Operator SOUTHERN CALIFORNIA	PETROLEUM Lease Nina Lankford CORPORATION
•	
Address(Local or Field Office)	(Principal Place of Business)
Unit	5 T 23S R 36B Pool Langlie-Mattix
County Lea Kind of Lea	asc:fee
If Oil well Location of Tanks	
El Paso Natural	
(Local or Field Office)	El (Past) Plac Texas ss.
	Other Transporters authorized to transport Oil or Natural Gas
from this unit are	
	······································
REASON FOR FILING: (Please check proper box)	
NEW WELL.	. CHANGE IN OWNERSHIP
CHANGE IN TRANSPORTER	OTHER (Explain under Remarks)
REMARKS:	JAN 27 1984
In accordance with your Orde	OIL CONSERVATION DIVISION
	<b>*</b>
The undersigned certifies that the Rules and Regul	ations of the Oil Conservation Commission have been complied with.
Executed this the31stday of	August1954
	SOUTHERN CALIFORNIA PETROLEUM CORP.
Approved, 19	
OIL CONSERVATION COMMISSION	By Mannon
Ву	Title Petroleum Engineer
Title	
·	setions on Reverse Side)



#### NEW MEXICO OIL CONSERVATION COMMISSION BOX 2045 HOBBS, NEW MEXICO

DATE_	Decembe	<u>. باز ۲</u>	1953	
_				

TO: Southern California Petroleum Corporation  Box 1071, Midlani, Texas  GENTLEMEN:  Form C-104 for your Lankford 1 25-23-36 Languat  LEASE WELL S.T.R. POOL  has been approved, however, since this well is:  ( ) An unorthodox location,  (X ) Located on an unorthodox proration unit,  ( ) Outside the boundaries of a designated pool,  it will be necessary for you to;  ( ) Comply with the provisions of Rule 4 of Commission Order  (X ) Comply with the provisions of Rule 7 of Commission Order  (X ) File Form C-123  Pending further Commission action this unit will be assigned an 120 acre allowable.  Stanley J. Stanley	•	ч	DATE De	demoer 31,	1953
GENTLEMEN:  Form C-104 for your Lankford 1 25-23-36 Language  LEASE WELL S.T.R. POOL  has been approved, however, since this well is:  ( ) An unorthodox location,  (X) Located on an unorthodox promation unit,  ( ) Outside the boundaries of a designated pool,  it will be necessary for you to;  ( ) Comply with the provisions of Rule 4 of Commission Order  (X) Comply with the provisions of Rule 7 of Commission Order R 369 A  ( ) File Form C-123  Pending further Commission action this unit will be assigned an 120 acre allowable.	TO: Southern California Petroleum Con	rporation			•
Form C-104 for your Lankford 1 25-23-36 Languat  LEASE WELL S.T.R. POOL  has been approved, however, since this well is:  ( ) An unorthodox location,  (X) Located on an unorthodox proration unit,  ( ) Outside the boundaries of a designated pool,  it will be necessary for you to;  ( ) Comply with the provisions of Rule 4 of Commission Order  (X) Comply with the provisions of Rule 7 of Commission Order R 369 A  ( ) File Form C-123  Pending further Commission action this unit will be assigned an 120 acre allowable.	Box 1071, Midland, Texas	•	,	•	
has been approved, however, since this well is:  ( ) An unorthodox location,  (X) Located on an unorthodox promation unit,  ( ) Outside the boundaries of a designated pool,  it will be necessary for you to;  ( ) Comply with the provisions of Rule 4 of Commission Order  (X) Comply with the provisions of Rule 7 of Commission Order  R 369 A  ( ) File Form C-123  Pending further Commission action this unit will be assigned an 120 acre allowable.	GENTLEMEN:			, (	
has been approved, however, since this well is:  ( ) An unorthodox location,  (X ) Located on an unorthodox promation unit,  ( ) Outside the boundaries of a designated pool,  it will be necessary for you to;  ( ) Comply with the provisions of Rule 4 of Commission Order  (X ) Comply with the provisions of Rule 7 of Commission Order  R 369 A  ( ) File Form C-123  Pending further Commission action this unit will be assigned an acre allowable.		WELL	25-23-36 S.T.R.		
(X) Located on an unorthodox proration unit,  ( ) Cutside the boundaries of a designated pool,  it will be necessary for you to;  ( ) Comply with the provisions of Rule 4 of Commission Order  (X ) Comply with the provisions of Rule 7 of Commission Order R 369 A  ( ) File Form C-123  Pending further Commission action this unit will be assigned an 120 acre allowable.		_			
( ) Outside the boundaries of a designated pool, it will be necessary for you to; ( ) Comply with the provisions of Rule 4 of Commission Order  (X ) Comply with the provisions of Rule 7 of Commission Order  R 369 A  ( ) File Form C-123  Pending further Commission action this unit will be assigned an 120 acre allowable.	( ) An unorthodox location,	. •		1	
it will be necessary for you to;  ( ) Comply with the provisions of Rule 4 of Commission Order  (X ) Comply with the provisions of Rule 7 of Commission Order  R 369 A  ( ) File Form C-123  Pending further Commission action this unit will be assigned an 120 acre allowable.	(X) Located on an unorthodox prorat	ion unit,		at .	
( ) Comply with the provisions of Rule 4 of Commission Order (X ) Comply with the provisions of Rule 7 of Commission Order R 369 A  ( ) File Form C-123  Pending further Commission action this unit will be assigned an 120 acre allowable.	( ) Outside the boundaries of a des	ignated pool	ι,		
(X) Comply with the provisions of Rule 7 of Commission Order R 369 A  ( ) File Form C-123  Pending further Commission action this unit will be assigned an 120 acre allowable.	it will be necessary for you to;		•	1	
( ) File Form C-123  Pending further Commission action this unit will be assigned an 120 acre allowable.	( ) Comply with the provisions of R	ule 4 of Cor	nmission Order_	· · · · · · · · · · · · · · · · · · ·	
Pending further Commission action this unit will be assigned an 120 acre allowable.	(X ) Comply with the provisions of R	ule 7 of Cor	mmission Order	R 369 A	
allowable.	( ) File Form C-123	· 7			
	Pending further Commission action thi	s unit will	be assigned an	120	acre
Stanley J. Stanley	allowable.		-		
Stanley J. Stanley	•		· .		
statite of state		C+ n=1 ===	1 Stanlass :		
A. L. Porter, Jr.		•	4		

Proration Manager

ALP/pb

cc/ Transporter El Paso Natural Gas Co.



## NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe. New Mexico

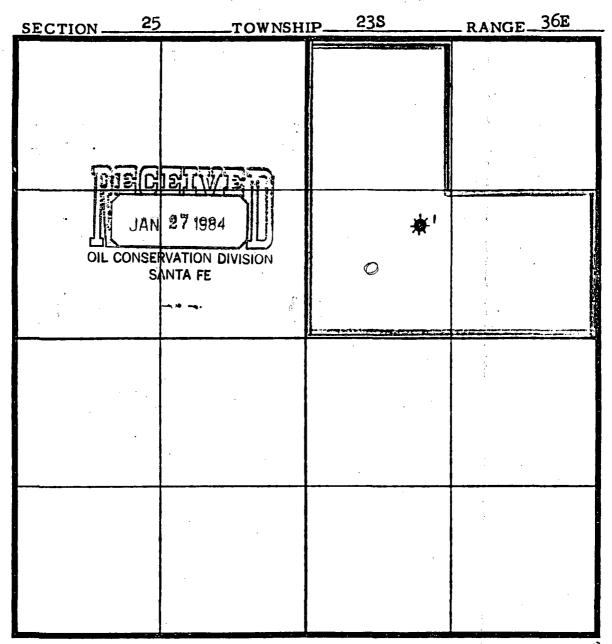
It is necessary that Form C-104 be approved before this form can be approved an an initial allowable be assigned to any completed (bil or Gaswell. Submit this form in QUADRUPLICATE.

# CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS SCUTHERN CALIFORNIA PRINCIPLE CORPORATION

Company or Operator		Lease N	ina Lankford	
Address(Local or Field		Box 1071	, Midland, Tex	tas .
(Local or Field Unit				
			-	
CountyLen	Kind of Lease	Fee	······································	
If Oil well Location of Tanks	On lease		***************************************	•••••
Authorized Transporter. E1	aso Natural Cas	Company	Addrcs	s of Transporter
		El Paso	, Texas	
(Local or Field				
Per cent of Oil or Natural Gas to b	e Transported 100	Other Transporters aut	thorized to transport Oi	l or Natural Gas
from this unit are	no	ne		
			4	
	* ,			%c
REASON FOR FILING: (Please	check proper box)			
NEW WELL,	·	CHANGE IN OWN	ERSHIP.	
			•	_
CHANGE IN TRANSPORTER		OTHER (Explain un	der Remarks)	<u>E</u>
REMARKS:				
In complian	ice with Order R	-356.		
			,	
The undersigned certifies tha	t the Rules and Regulation	ons of the Oil Conservation	Commission have been	n complied with.
Executed this the 28t	h day of	December		<sub> 19</sub> 53
	•	SOUTHERN CALIFO	RNIA PETROLEUM	CORP.
Approved DEC 31 19	53	······································		<del></del>
Approved	19		)	
OIL CONSERVATION	COMMISSION	Ву	Mannon	
By S. ( I Stanley		Tide Potrole	um Engineer	
Engineer District				
Title				
	(See Instruction	ons on Reverse Side)		

#### OIL CONSERVATION COMMISTO

	•		Date	Dec. 28, 1953
SOUTHERN	CALIFORNIA PETROLEUM CORP.	Nina Lankford		1
-	Operator	Lease		Well No.
	Name of Producing Formation_	Yates	Pool_	Langmat
,				:
•	No. Acres Dedicated to the Wel	120		· :



I hereby certify that the information given above is true and complete to the best of my knowledge.

Position Petroleum Engineer

Representing SO. CAL. PET. CORP.

Address Box 1071, Midland, Texas

New Well Recompletion

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 oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

			•		exas 12	
VE ARE I	HEREBY I	REQUEST MIA PET	ING AN ALLOWABLE FOR NIN	OR A WELL KNO <b>a L</b> unicicud , Well No	OWN AS:	!/4
(Ca	ompany or O	perator)	(Lease, T. 23S , R. 36	E NMPM	Langmat	Por
(Unit	}	•	County. Date Spudded.			
Plea	se indicate		County. Date Spudded.		, Date Completed	-/.67/.79
			Elevation 334	B	oth <b>3637</b> , P.B.	
			Top oil/gas pay	<b>2</b> 955	. Prod. Form	Yates
			Casing Perforations	. 29	5 <b>5-31</b> 90	o
			Depth to Casing sho	oe of Prod. String	3460	
			Natural Prod. Test			ВОРГ
			based on	bbls. Oil in	Hrs	Mins
		••••••	Test after acid or sh	ot		ВОРГ
<b>Casing</b> Size	and Cemen	ting Record			Hrs.	
13"	60	75	Gas Well Potential.	13,200 M	CFPD AOF	
8 5/8	1195	700	Size choke in inche	5		•••••
5월"	3460	200	Date first oil run to	tanks or gas to Trar	nsmission system:5/8/	50
			Transporter taking	Oil or Gas: El.	?aso Natural Gas	Со
.emarks:						•••••
		••••••				•••••••
I herel	ov certifo t	hat the info	ormation given above is tru	e and complete to the	he best of my knowledge.	
pproved	[	DEC 31 1	953 , <sub>19</sub> s		TORNIA PETROLEUM (Gompany or Operator)	CORP.
OI	L/CONSE	RVATION	COMMISSION	Ву:	Mannon (Signature)	
v: 🔘	-UC	Hanle	1	• • • • • • • • • • • • • • • • • • •	leum Engineer	
En	gineer D	istrict V		•	Communications regarding	
					HERN CALIFORNIA	-
				Address Box	1071, Midland,	Texas

(Form C-110)
(Revised 7/1/52)

## NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico

It is necessary that Form C-104 be approved before this form can be approved an an initial allowable be assigned to any completed Oil or Gas well. Submit this form in QUADRUPLICATE.

## CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Company or Operator. SOUTHERN CALIFORNIA PETRO	DIEUMLeaseNina Lankford
Address	Midland: Texas
Unit, Well(s) No, Sec, Sec	1239, R36E, PoolLangl16-Mattix
County Kind of Lease:	fee
If Oil well Location of Tanks	<u></u>
Authorized Transporter Texas-New Mexico Pipe	Line Co. Address of Transporter
(Loop) on Eksid Office)	Midland, Texas (Principal Place of Business)
Per cent of Oil or Natural Gas to be Transported	<u>.</u>
referent of On or Natural Gas to be Transported	Other Transporters audionized to transport On or Natural Oas
from this unit arc	
•	%
REASON FOR FILING: (Please check proper box)	······································
NEW WELI.	CHANGE IN OWNERSHIP
CHANGE IN TRANSPORTER	OTHER (Explain under Remarks)
REMARKS:	
Culbertson & Irwin, Inc. purchased by Corporation.	Southern California Petroleum
The undersigned certifies that the Rules and Regulations	of the Oil Conservation Commission have been complied with.
Executed this the 14th day of	January 19.53
Approved 2 - 13 , 1953  OIL CONSERVATION COMMISSION  By Conference of the commission	SOUTHERN CALIFORNIA PETROLEUM CORP.  By Scott C. Juniary  Title Manager
/ (See Instructions	on Keverse viae)

### OIL CONSERVATION COMM!

SANTA FÉ, NEW MEXICO

#### Miscellaneous Reports on

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for teports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be

eigned and sworn to before a notary public. See additional	instructions in the Rules and Regulations of the port by checking below.	he Commission.
REPORT ON BEGINNING DRILLING	REPORT ON REPAIRING WELL	<del></del>
OPERATIONS	ALSO ON THE AND WELLS	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL	REPORT ON PULLING OR OTHERWIS ALTERING CASING	SE
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	REPORT OF PRESSURE TEST	X
	October 18, 1950 Midle	and, Texas
OIL CONSERVATION COMMISSION, SANTA FE, NEW MEXICO. Gentlemen:	Date Pi	ace
Following is a report on the work done and the results obtain tubertson & Irwin, Inc.	Nine Lankford Well No. 1	in the
Culbertson & Irwin, Inc.  NE/4 Company or Operator 25  Langlie-Mattix Field  The dates of this work were as follows:	_ 23S _ 36E	
Langlie-Mattix of Sec.	Lea .	., N. M. P. M.,
Field	J0-10-50	County.
	K DONE AND RESULTS OBTAINED	
In compliance with Commission Rule 24 hours and pressure test taken of weight gauge showing 1179.3#.	402, above well shut in foon October 10, 1950, with de	ed ed
E. H. Irwin	Culbertson & Irwin, Inc.	Supt.
Name	Company	Title
Subscribed and sworn before me this	I hereby swear or affire that the informati	on given above
18th October 50	Name Millims	704
Doner Franklin	Position President Culbertson & Irwi	n. Inc.
Notary Public	Representing Company or Operator	
My commission expires Jum 1, 1951	Address Box 1071, Midland,	Texas
Domarks.	3 1 1 1 K	,

Title

Form C-103			
LIPLICATI	POSET.		
	2		

### OL CONSERVATION COMMICION

Santa Fe, New Mexico

### MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate pature of report by checking below.

REPORT ON BEGINNING DRILLING OPERA- TIONS	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL	REPORT ON PULLING OR OTHER ALTERING CASING	WISE
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	REPORT ON DEEPENING WELL	
REPORT ON RESULT OF PLUGGING OF WELL	REPORT ON DUAL COMPLET	ion x
		dland, Texa
OIL CONSERVATION COMMISSION, SANTA FE, NEW MEXICO Gentlemen:	Date	Place
Following is a report on the work done and the res Gulbertson & Irwin, Inc.	sults obtained under the heading noted above at the Hina Lankford Well No. 1	in the
Company or Operator of Sec. 25	Lease 7. 23S , R. 36E	, N. M. P. M.,
Lauzlie-Mattix Field,	Lea	County.
The dates of this work were as follows:	1/27 - 2/6, 1950	
	obtained. (Cross out incorrect thorder ing	
Bee attached sheet	·	
Bec attached sheet		
Bec attached sheet	· .	
ee attached sheet		
Witnessed by J. I. Brown	Culbertson & Irwin, Inc.	Drlg.Supt.

Name

Company

Title

Subscribed and sworn before me this

16th day of February

Notary Public

Notary Public

Representing Culbertson & Irwin, Inc.

Company or Operator

My commission expires June 1, 1951

Address Box 1071, Midland, Texas

Remarks:

AFFROVED

Title

103 2 0 1950

Well was originally completed on December 24, 1949, for an initial production of 30 bbls. daily from the Queen sand. Authority to perforate and produce gas from the Yates was granted by the Oil Conservation Commission on January 24, 1950. The well was killed with mud - tubing pulled and the  $5\frac{1}{2}$  casing perforated as follows:

88	holes	from	2955-2998
20	11	11	3005-3015
26	77	11	3025-3038
70	11	11	3045-3080
50	11	Ħ	3145-3170
20	11	11	3180-3190

The 2 3/8" tubing was then run back to 3612' with an American packer set at 3378-3384' and an Otis side door choke in the tubing at 3187'. The packer was set and the mud in the tubing and between the tubing and casing was circulated out and displaced with oil - the Otis choke was then closed - the tubing was swabbed and the well cleaned up and started producing oil from the Queen.

Pressure built up on the casing to 800# and the well was opened and unloaded the oil load above the packer and between the tubing and casing. The well was blown for several hours to clean up. Absolute open flow was 13,200 MCF (back pressure test).

Shut in casing pressure was 1183#.

## OIL CONSERVATION COMMISSION STATE OF NEW MEXICO



## CERTIFICATE OF COMPLIANCE AND AUTHORIZATION TO TRANSPORT OF COMPLIANCE

Company or Operator Culhortson &	Irwin,	Ino.	Lease 111	ne Lon	kford	
Jal. How Mexico		Box	1071.	Midlan	d. Tox	8.8
Unit O Wells No. 1 Sec 25 T 23 I  Kind of Lease Fass  Transporter Toxas-liew Maxico Pipe  Midland, Texas Percent of Principal Place of Rusiness)	R 36 Fiel	langli	(Principal	Place of I	Los	3
Kind of Lease	Local	ation of	Tanks 🖺	1/4 UE	/4 380	tion 25
Transporter Texas-New Mexico Pipe	Line Add	ress of '	Transport	er	run 14	
Eldland Toxas			100	(	Local or Fi	eld Office)
(Principal Place of Business)	of oil to b	e transpo	orted	. Other	transport	ers author-
ized to transport oil from this unit are	nc.	no	<del></del>			%
REMARKS:						
	• :			•	r	
and the second of the second o	and San Danks				-	
					.***	
the percentage of oil produced from the about the valid until further notice to the transport vation Commission of New Mexico.  Executed this the 285h day	of	herein (	or until e	ancelled	by the (	Dil Conser-
		Culbal	A HOURE			
		. //			rator)	<del>-</del> ·
		By A.	umu	AM.	1//04	
						<del></del>
State of	<u></u> )		r style i	•		
State ofCASCounty ofCIDIAID	ss.		um uz liki k	r r		
Before me, the undersigned authority, on	thisday	personall	v annear	ed 1	i. Culb	RTHON
known to me to be the person whose name is duly sworn on oath states that he is authorize stated herein and that said report it true an	is subscrib ted to mail id correct	bed to the ke this re	e above in eport and	has kno	t, who be wledge o	eing by me
Subscribed and sworn to before me, this	is the	28th	day of	Dece	ndo <b>r</b>	, 194 <u>-</u>
	-	<u>Q</u>	-Balm	· Fr	<u>urkei</u>	<u>يا</u>
Notary Public in and for Midland  Approved: 12 2 5 19		Tex	as	· · · · · · · · · · · · · · · · · · ·		
OIL CONSERVATION COMMISSION						
By (OLLC) THERESALLERS,			-			
(See Instr	ruction on R	everse Bide)				
O CONTRACTOR CONTRACTOR OF THE PARTY OF THE						

FORN C-105

AREA 640 ACRES LOCATE WELL CORRECTLY

## NEW MEXICO OIL CONSERVATION COMMISSION BS OFFICE Santa Fe, New Mexico

#### WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Eules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

Culbertson & Irwin, Inc.	Box 1071, Midland, Texas
i.ina Lankford Well No 1	n Sid/4 NE/40f Sec. 25 , T 235
1/086	Field, Loa County.
Well is 1650 feet south of the North line and 1650	neet west of the East line of Section 25
If State land the oil and gas lease is No	Assignment No.
	, Address
· · · · · · · · · · · · · · · · · · ·	Address
	Address.
	Drilling was completed Dec. 2L 19 49
Name of drilling contractor Oil ell lensdial Se	ervice Address Occuse, Texas
Elevation above sea level at top of casing334.2	feet.
The information given is to be kept confidential until	Not confidential19
OIL SANDS	S OR ZONES
	No. 4, from 3630 to 3635
No. 2, from3555to3575	No. 5, fromto
No. 3, from 3620 to 3610	No. 6, fromto
IMPORTANT	WATER SANDS
Include data on rate of water inflow and elevation to which wa	ater rose in hole.
No. 1, fromtoto	
No. 2, fromtoto	feet
No. 3, fromtoto	feet
No. 4, fromto	feet

#### CASING RECORD

	WEIGHT	THREADS			CUT & FILLED	PERFO	RATED	J Brunnoom	
SIZE	PER FOOT	PER INOH	MAKE	AMOUNT	вное	FROM	FROM	TO	PURPOSE
13	48	8	Used	60	T.P.				Conductor
8 5/C	28		11	1195	T.P.				Surface
-5½	14	8	How	3460	<u> Ea 111 bu</u>	rton Plon	t	<del></del>	-011 string
			<u> </u>		·			<del></del>	
		•		1				. —	

		<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>		الودادة والرمام المتحليل والمتاردة فيقاوه الماران	<del>,</del>	<del></del>	
SIZE OF	SIZE OF CASING	WHERE SET	NO. SACKS CEMENT	METHODS USED	MUD GRA	MA YTIV	OUNT OF MUD USED
16"	13	60	75	Hallibur!	on		
! 11"	8 5/8	1195	700	11			
gn	51	3460	200	tr			
							· · · · · · · · · · · · · · · · · · ·
				PLUGS AND ADAF	TERS		
\ Heaving	plug—M	aterial		Length		Depth Set.	***************************************
Adapters	s Mate	rial	000-10010	•••••	Size	,	
				HOOTING OR CHE			
SIZE	SHE	LL USED	EXPLOSIVE OR OHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
31"	T1	in	Ritro	250	12/3/49	3637-3537	T.D.
						3525-3500	
			•	•••••••••••••••••••••••••••••••••••••••		***************************************	r shot -
***************************************							
				F DRILL-STEM ANI	•		
If drill-s	tem or oth	er special tes	ts or deviation sur	veys were made, sub	mit report on s	eparate sheet and	attach hereto.
				TOOLS USED			
Rotary t	ools were	used from	feet	to3637fe	et, and from	feet	tofeet
-				<u> </u>			tofceı
				PRODUCTION			
Dut to n	duaina	) De	c <u>24</u>	<del>-</del>			
					of fluid of which	n 100 ′σ,	vas oil;%
•							76 OII,70
· .	-				s gasoline per 1	,000 cu. It. oi gas	•••••••••••••••••••••••••••••••••••••••
Rock pre	essure, lbs	. per sq. in		•		P	
	йid	elleng c	onitractor • s	EMPLOYEES			
<u> </u>	B. Co	on. Jr.		, Driller	<u>h.a</u>	L. Ballerd	Driller
11	m Tal	Lfino	***************************************	Driller		*************************	Driller
			FORMAT	ION RECORD ON	OTHER SIDE	F -	
I hereby	swear or	affirm that th	ne information give	en herewith is a com	plete and corre	ct record of the we	ll and all work done on
_			rom available reco			ı	
			me this 27th		dland,		Dec. 27, 1949
-					ne/////	uwv	WWY
d.		Fa =	urlin Notary	Posi	tionPre	sident	
***************************************			Notary 1	Public Rep	resentingCul	bertson &	Irwin, Inc.
My Com	mission ex	piresJung	1, 1951				Operator  1d. Texas
. **						•	

APPPOVED LLC 2 8 1949 nate

#### FORMATION RECORD

	. •	FU	RMATION RECORD
FROM	то	THICKNESS IN FEET	PORMATION
0 50 100 200 700 750 1180 1285 1500 1900 2000 2250 2350 2350 2350 2575 2750 2790 2930 3000 3070 3250 3500 3500 3550 3550 3575 3600	50 100 200 700 750 1180 1285 1500 1900 2250 2380 2500 2575 2750 2750 2750 2750 2750 275	50 50 100 500 500 105 500 105 200 100 250 120 120 120 120 120 120 120 12	Sand & gray shale Sand & shale Red & gray shale Sand Red rock Anhydrite Salt, anhydrite & red rock Salt & anhydrite Anhydrite Salt & red rock Anhydrite Salt Anhydrite Lime & sand Lime Lime & sand Lime Sand & lime Lime, Sand & shale Sand Lime Sand Lime Lime & sand
			T.D. 3637

### OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

### MISCELLANEOUS REPORTS ON WELLS

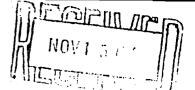
Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission. Indicate nature of report by checking below.

REPORT ON BEGINNING DRILLING OPERA- TIONS	REPORT ON REPAIRING	WELL
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL	REPORT ON PULLING ( ALTERING CASIN	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	X REPORT ON DEEPENIN	G WELL
REPORT ON RESULT OF PLUGGING OF WELL		
Nov		and, Texas
OIL CONSERVATION COMMISSION, SANTA FE, NEW MEXICO Gentlemen:	Date	Place
Following is a report on the work done and the resu Culbertson & Irwin, Inc. N	A	bove at thein the
NE/4 Company or Operator 25	Langa	E , N. M. P. M.,
Langlio-Mattix Field,	<u> </u>	County.
The dates of this work were as follows:	11/25/49	
Notice of intention to do the work was (wee-not)	submitted on Form C-102 on1	1/12 19.9
5½" casing set at 3460 a	WORK DONE AND RESULTS OBTAind cemented on 11/11/19	with 200 sax.
DETAILED ACCOUNT OF	work done and results obtained cemented on 11/11/49 ted with 1200# pump pre	with 200 sax.
DETAILED ACCOUNT OF  5½" casing set at 3460 a  Plug drilled 11/25/49 and tes	work done and results obtained cemented on 11/11/49 ted with 1200# pump pre	with 200 sax. ssure. Complete
DETAILED ACCOUNT OF  52" casing set at 3460 a Plug drillad 11/25/49 and tes shut-off obtained and drillin  Witnessed by J. L. Brown  Name	work done and results obtaind cemented on 11/11/49 ted with 1200# pump preg resumed.  Culbertson & Irwin, I	with 200 sax. ssure. Complete  nc. Asst. Supt. Title
DETAILED ACCOUNT OF  52" casing set at 3460 a Plug drillad 11/25/49 and tes shut-off obtained and drillin  Witnessed by J. L. Brown  Name  Subscribed and sworn before me this	work done and results obtaind cemented on 11/11/49 ted with 1200# pump preg resumed.  Culbertson & Irwin, I  Company  I hereby swear or affirm that is true and correct.	with 200 sax. ssure. Complete  nc. Asst. Supt. Title
DETAILED ACCOUNT OF  52" casing set at 3460 a Plug drillad 11/25/49 and tes shut-off obtained and drillin  Witnessed by J. L. Brown  Name  Subscribed and sworn before me this	work done and results obtained cemented on 11/11/49 ted with 1200# pump preg resumed.  Culbertson & Irwin, I  Company  I hereby swear or affirm that is true and correction that	with 200 sax. ssure. Complete  nc. Asst. Supt.  Title  the information given above
DETAILED ACCOUNT OF  52" casing set at 3460 a Plug drillad 11/25/49 and tes shut-off obtained and drillin  Witnessed by  J. L. Brown  Name  Subscribed and sworn before me this  29th day of November  19.	work done and results obtained cemented on 11/11/49 ted with 1200# pump preg resumed.  Culbertson & Irwin, I  Company  I hereby swear or affirm that is true and correct that position President	with 200 sax. ssure. Complete  nc. Asst. Supt.  Title the information given above
DETAILED ACCOUNT OF  52" casing set at 3460 a Plug drillad 11/25/49 and tes shut-off obtained and drillin  Witnessed by  J. L. Brown  Name  Subscribed and sworn before me this  29th day of November 19	work done and results obtained cemented on 11/11/49 ted with 1200 pump pregression are resumed.  Culbertson & Irwin, I  Company  I hereby swear or affirm that is true and correction true and correction are resident  Position President Representing Culbertson	with 200 sax. ssure. Complete  nc. Asst. Supt.  Title the information given above
DETAILED ACCOUNT OF  52" casing set at 3460 a Plug drillad 11/25/49 and tes shut-off obtained and drillin  Witnessed by  J. L. Brown  Name  Subscribed and sworn before me this  29th day of November  19.	work done and results obtained cemented on 11/11/49 ted with 1200# pump preg resumed.  Culbertson & Irwin, I  Company  I hereby swear or affirm that is true and correct that position President	with 200 sax. ssure. Complete  nc. Asst. Supt.  Title  the information given above  & Irwin, Inc.  Operator

#### NEW EXICO OIL CONSERVATION COM SION

#### SANTA FE! NEW MEXICO

### MISCELLANEOUS NOTICES



Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

#### Indicate nature of notice by checking belows

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	X	NOTICE OF INTEN	TION TO SHOOT (	OR
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENT OTHERWISE A		
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENT	CION TO PLUG WI	ELL
NOTICE OF INTENTION TO DEEPEN WELL				
Ą	/idlar	nd, Texas	November	12, 1949
		Place	Date	
OIL CONSERVATION COMMISSION, Santa Fe, New Mexico.			, "	
Gentlemen:				
Following is a notice of intention to do certain wor			<del></del>	·
		ankford	_Well No1.	in NE/4
Company or Operator Legor Sec. 25, T. 23S, R. 36E	856 N	M. P. M. Lang	lie-Mattix	Field.
I.e.a	, N.	Me Fe Hep		r letd.
County.	DD OD (	OPED DI AN OPEN	ZODIZ	
FULL DETAILS OF FOLLOW INSTRUCTIONS IN THE RU			E Programme Control of the Control o	NOM
FULLOW INSTRUCTIONS IN THE RU	JLEG AT	AD REGULATIONS (	or the commiss	SION
$5\frac{1}{2}$ " $14\#$ J-55 new seamles with total depth of 3461', as 11, 1949, with 200 sacks. With November 14 and test with 100	nd cen	mented by Hall et set 60 hour	iburton Nove	ember
			<u>-</u> *	
			!	,
			÷.	
Approved, 19_		CULBERTSO	N & IRWIN.	INC.
except as follows:			many or Operator	
		By Mill	Mollin	- 1
			1	<del></del>
		Position Presi	<u>dent</u> nications regarding	well to
			son & Irwin	
OIL CONSERVATION COMMISSION,		Name		,
By May transferrences		Address Box 107	1. Midland,	Texas
Piela			i.	

### OIL CONSERVATION COMMI. ION

Santa Fe, New Mexico

### MISCELLANEOUS REPORTS ON WELLS

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of report by checking below.

	Toport by careering below.
REPORT ON BEGINNING DRILLING OPERA-	REPORT ON REPAIRING WELL
REPORT ON RESULT OF SHOOTING OR CHEMICAL TREATMENT OF WELL	REPORT ON PULLING OR OTHERWISE ALTERING CASING
REPORT ON RESULT OF TEST OF CASING SHUT-OFF	REPORT ON DEEPENING WELL
REPORT ON RESULT OF PLUGGING OF WELL	
	November 1, 1949 Midland, Texas
OIL CONSERVATION COMMISSION, SANTA FE, NEW MEXICO Gentlemen:	Date Place
Following is a report on the work done and the results of LIVIN, INC.	obtained under the heading noted above at thein the
Company or Operator NE/4 of Sec. 25	Lease
ignelle = jettix Field.	, R. J.CE County.
The dates of this work were as follows: 10/	
Notice of intention to do the work was (was not) su	
orilling commonded 10/19/49.  60' of 13 3/8" conductor set are presente gas encountered at and comented to surface with 70 10/30/49 and tested with 1000, parilling resumed.	nd comented to surface on 10/21/49. 720'. 8 5/6" casing set at 1195' 30 sacks 10/28/49. Drilled plus pressure. Shut off obtained and
witnessed by	Culbertsen & Irwin, Inc. Asst. Supt.
Name	Company Title
Subscribed and sworn before me this  15t day of Flovenber 1949	I hereby swear or affirm that the information given above is true and confect.  Name
Dansey 7 Amer Poins	Position Prosident
Notary Public	Representing <u>Gulbertson</u> & Irwin, Inc.  Company or Operator
My commission expires June 1, 1951	_ Address Box 1071, Midland, Toxag
Remarks:	Name Name
	Title.

### LEXICO OIL CONSERVATION COM

#### MISCELLANEOUS NOTICES

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified in the begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate nature	of noti	ce på cpeckipå pelom!	
NOTICE OF INTENTION TO TEST CASING SHUT-OFF	х	NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS		NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL		NOTICE OF INTENTION TO PLUG WELL	
NOTICE OF INTENTION TO DEEPEN WELL			
	Midla	nd, Texas October 28,	1949
OIL CONSERVATION COMMISSION, Santa Fe, New Mexico. Gentlemen: Following is a notice of intention to do certain wor	ale aa don	eathed helow at the	
Culbertson & Irwin, Inc. Nina		ford Well No. 1 in	HE/4
Company or Operator Le	ARA	,	
of Sec. 25 T. 238 R. 36E	, N.	M. P. M., Langlie-Mattix	Field.
Lea County.			
FOLLOW INSTRUCTIONS IN THE RU	ules at ing se ingc w		
Will test with 1000% pump	pres	sure.	
	•		
Approved		CULHERTSON & IRWIN, INC.  Sphipper or Operator  By	
**		Position <u>Progident</u> Send communications regarding well t	·o
OIL CONSERVATION COMMISSION,		Name Culhertson & Irvin, Inc.	<del></del>
By SALI GULLAGILAGI		Address Dex 1071	
Title	<del>≀TJ</del> ¥!	Midland, Texas	

. 6 € 19 . 6 € 4

### NOTICE OF INTENTION TO DRILL

Notice must be given to the On. Conservation Commission or its proper agent and approval obtained before drilling begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in triplicate. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission.

			Hidlend, T	COXES.	10-	14- 49
	ERVATION CO	ommission,	Plac			Date
Santa Fe, N	ew Mexico,	·		•	•	
Gentlemen:		•				
		notified that it is out.	r intention to com	mence the drilling of the drilling w	ng of a well to be k	nown as in SW/L IE/L
		y or Operator	La	actio		
of Ser2!	5, <u>T</u> 2	35 R 36E	, N. M., P. M	ttix	_Field,I&A	County.
	M	The well is.	1650 feet (A	(S.) of the	North line and	1650 foot
		XXX (W.) o	the East	line of BCO	tion 25, 23-	36
		(Give l	ocation from section	n or other lega	l subdivision lines.	Cross out wrong
		· · · · · · · · · · · · · · · · · · ·	the oil and one les	sse is No.	Assignment	No.
		If notanted	land the owner is	N <b>i</b> n	a Lankford	
	╌╂╌╂╌╂		A1	nino To	E88	
1-1-1-	╅╬╬╢	- <del>-</del>	ent land the permit			······································
1-1-1-	<del>╶╏╶╏╶╏╸╏</del> ╴╏					
┠┼┼┼	<del>┦╌╬╌╏╍╬╌</del> ╂	•			-	
		-				
	649 ACRES	117				<del></del>
LOCATE WE	LL CORRECTL	we propose			as follows:	
Ne propose		owing strings of cas		cement them as	<del></del>	
			New or	Depth	Landed er	Sacks
Bise of Hole	Size of Casing	Weight Per Foot	Second Hand	_	Cemented	Cement
		Weight Per Foot	Boood Hand Light	901	Comented	
16"	Casing 13 <sup>tt</sup>	48#				Coment
Hole	23" 8 5/8"	48;; 28;;	liew	90° 1200° 3450°	Comented	To surface
16" 11"	Casing 13 <sup>tt</sup>	48#	liew "	1200*	Comented	To surfac
Hole 16" 11" p::	Casing 13" 8 5/8" 5 1/2" the above pla	48;; 28;; 15;; an become advisable	liew  n  n  we will notify you	1200° 3450°	Comented  #  #  g or landing casing.	To surface n n 200 gacks
Hole  16"  11"  P"  f changes in the first pro	B 5/8" 5 1/2" the above pla	28; 15; an become advisable gas sand should oc	Now will notify you lour at a depth of	1200° 3450° before cementing	Comented  **  **  p or landing casing.  feet.	To surface  # # # 200 macks  We estimate that
Hole  16"  11"  P"  f changes in the first pro-	Casing  13"  8 5/8"  5 1/2"  the above plaductive oil or	28; 15; an become advisable gas sand should oc	we will notify you cur at a depth of	1200° 3450° before cementing about 3150 on 1s obto	g or landing casing.	To surface  # # # 200 macks  We estimate that
Hole  16"  11"  P"  f changes in the first pro- Additional in the COUTE	B 5/8" 5 1/2" the above plaductive oil or	28; 15; in become advisable gas sand should oc If commercia	we will notify you lour at a depth of al production for approv	1200' 3450' before cementin about 3150 on is obte	g or landing casing.  feet.  ined in the uel completi	To surface  # # 200 Backs  We estimate that  Jucon sand On; Gas from
Hole  16"  11"  1:"  1 changes in the first pro  Additional in the appropriates the states of the st	Casing  13"  8 5/8"  5 1/2"  the above pla ductive oil or aformation:  IX. 3500  INO DOTTO	28; 15; an become advisable gas sand should oc If commorcie we will not prations in	we will notify you lear at a depth of all production for approve 5 1/2 and	1200' 3450' before cementin about 3150 on is obte	g or landing casing.	To surface  n e  200 sacks  We estimate that  Jucon sand On; Gus from
16" 11" f." f changes in the first pro- Additional in the appro- Lates the	Casing  13"  8 5/8"  5 1/2"  the above pla ductive oil or aformation:  IX. 3500  INO DOTTO	28; 15; in become advisable gas sand should oc If commercia we will not protions in	we will notify you lour at a depth of al production for approve 5 1/2 " and a zones.	1200' 3450' before cementin about 3150 on is obte	g or landing casing.  feet.  ined in the uel completi	To surface  n e  200 sacks  We estimate that  Jucon sand On; Gus from
Hole  16"  11" P"  If changes in the first pro Additional in appro Intable the process the	Casing  13"  8 5/8"  5 1/2"  the above pla ductive oil or aformation:  IX. 3500  INO DOTTO	28; 15; an become advisable gas sand should oc If commorcie we will not prations in	we will notify you lour at a depth of al production for approve 5 1/2 " and a zones.	1200' 3450' before cementing about 3150 on 18 obto of a doil from	g or landing casing.  feet ined in the uel completiueen thro to	To surface  To surface  Resident that  Sucon cond  On: Gue from  Subing with
Hole  16"  11" P"  f changes in the first pro Additional in appro Intest the process the p	Casing  13"  8 5/8"  5 1/2"  the above plaductive oil or dormation:  X. 3500*  100 performation of the performance of the perform	28; 15; in become advisable gas sand should oc If commercia we will not protions in	we will notify you lour at a depth of al production for approve 5 1/2 " and a zones.	1200° 3450° before cementing about 3150 on is obte to a doil from ely yours,	comented  " " g or landing casing.  feet ined in the uel completi	To surface  To surface  Resident that  Sucon cond  On: Gue from  Subing with
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Hole  16"  11" P"  f changes in the first pro Additional in appro Intest the process the p	Casing  13"  8 5/8"  5 1/2"  the above plaductive oil or dormation:  X. 3500*  100 performation of the performance of the perform	28; 15; in become advisable gas sand should oc If commercia we will not protions in	we will notify you cur at a depth of al production for approve 5 1/2 and a zones.  By	1200' 3450' before cementing about 3150 on 1s obte oil of a distriction of the collision of	g or landing casing.  feet ined in the uel completiueen thro to	To surface  To surface  Resident that  Sucon cond  On: Gue from  Subing with
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Hole  16"  11"  P"  If changes in the first pro  Additional in the approved the process of the proved except a	Casing  13"  8 5/8"  5 1/2"  the above plaductive oil or aformation:  N. 3500*  NO DOTTO  Set in one  as follows:	28% 15%  In become advisable gas sand should oc If commercial we will not brations in sping between	we will notify you be cur at a depth of al production for approve 5 1/2 and a zones.  By —  Positio	1200' 3450' before cementing about 3150 on 1s obte oil from ely yours, Culbort of managed by the communications	g or landing casing.  feet.  ined in the uel completi ueen thro t	To surface  To surface  Resident that  Sucon cond  On: Gue from  Subing with