AREA 640 ACRES
LOCATE WELL CORRECTLY

# NEW MEXICO STATE LAND OFFICE SANTA FE, NEW MEXICO

# DEPARTMENT OF THE STATE GEOLOGIST

#### WELL RECORD

Mail to State Geologist, Santa Fe, New Mexico, not more than ten days after completion of well. Indicate questionable data by following it with (?). Submit in duplicate.

Company	Tide Wa	ater Oil	Comp	any	Addres	ss T	ulsa, (	)klaho	m <b>a</b> .	
	respondence t	. F. Scl	neide	ľ	Addres	ss D:	rawer	akka He	e, addi	m Mexico
Boon	e Hardin	<b>n</b>	.Well No.		in NE		of Sec	19	, T	Lës
R	38 <b>e</b> , .	N. M. P. M.,	Но	วิจิธ	Oil Field		Le	ea		County.
	and the oil a									1 Bank
										e, Texas
									s Tulsa	
									2th, 19	
					-					.s, Texas
	above sea le						, Maare	SS T.MI		
	mation given							19		
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		N •			ANDS OR					
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									. το	
No. 3, fro	om		to	***	No. 6,	from			to	
			IM	PORTAN	IT WATE	R SAI	NDS			
No. 1, fro	om 70		to	1 9	No. 3,	from		······	. to	······
No. 2, fro	om	,	to2	2	No. 4,	from			to	
				CAS	SING REC	OPD				
SIZE	WEIGHT PER FOOT	THREADS	MAKE		KIND OF SHOE		AND PULLEI	PI	ERFORATED	PURPOSE
122	50#	PER INCH	LW	214.3			FROM	FROM	ТО	Jurface Pipe
				3966 3966x				<u> </u>		
7"OD	36#		la St d 5 bo		Larki oints a			lded		dil String
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<u> </u>		20								Tubing
·· i			MUDD	ING AN	D CEMEN	TING	RECOR	D		
123	226		ACKS OF C		METHODS			RAVITY		MUD USED
7*0D	3966	700-1	sax Er sax	#	Halibur	ton	11:	<i>i</i>	Hole f	
	—Material	used		Len Size	AND ADA			Depth S	DEPTH CL	EANED OUT
				~	001 S 110	<b></b>				
Datawy t	ools were use	d 60000 <b>à</b>			OOLS US 231		l facus		foot to	feet
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_	is well, cu. ft. c pressure, lbs					ns gaso	dine per 1,	000 cu. ft.	of gas	•
TOUR	pressure, ins	. per sq. m								
				1	EMPLOYE					
	r Haven									, Driller
Slim	Giles			, г	Driller					, Driller
			FORM	IATION	RECORD	ON 0'	THER SI	DE		
dene en	it co for as o	an ha detern	the infor	mation giv	en herewith	is a cor	nplete and	correct rec		ll and all work
Subs	scribed and sy	vern to befor	e me this	2/2	Name	tis	χ	rick	e	
day of .	JU	year to belor		<sub>p</sub> 19.	25 Posti	nn Pr	odueti	UM Gii∾	A m.t 1	

FROM	то	THICKNESS IN PEET	FORMATIO N RECORD  FORMATION
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#### V MEXICO STATE LAND OFFIC

Santa Fe, New Mexico

# DEPARTMENT OF THE STATE GEOLOGIST NOTICE OF INTENTION TO DRILL NEW WELL

Notice must be given to the State Geologist or to the proper Oil and Gas Inspector 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.

		ાં છે	5 N. M.	<sub>ov</sub> 11-76 <sub>10</sub> 32	
Ar. W.H.Wells	3 , Stat	te Geologist.		ex., 11-26 19 32 drilling of a well to be	
Dear Sir: You Bo one	are hereby notified to Hardin Har	that it is our intention	to commence the	of Sec	
nown as	38e <sub>N.M.</sub>	P M	lio"	Oil Field	
, ۱۲	98	County			
N.	7**/~ /\	vell is 1500 fee		line and 1300 feet	
	of	Sast line of Soc	tien 19-18-	38	
	out w	rong directions.)		1 subdivision lines. Cross	
	<u>                                     </u>	f state land the oil and	gas lease is No		
	Assig	nment NoIf patented land the ow	ner is Boone	Hardin	
I DDA 640 ACRE		Address Seminol	e, Texas		
AREA 640 ACRE LOCATE WELL CORR	ECTLY	Address Address	30x 4 751.	Tulsa, Okla.	
The lessee is	GEL CII COMOS	Address	of fact Was	propose to drill well with	
		oove sea level is2	zreet. We	propose to drill well with	
Vo	Make of Drill	***************************************			
We propose to t	ise the following strip	ngs of casing and to lar	d or cement them	as indicated.	
11 C   11 O   100 C C C					
Size of Casing	Weight Per Foot	New or Second Hand	Depth	Landed or Cemented	
		1		1	-ek -sk -sk
Size of Casing  12-1/2" 3-1/3" 7" OD  f changes in the above stimate that the first additional information will also	Weight Per Foot  50 % 36 % 24 ,  ove plan become advist productive oil or grain:  1.1 be set at 3	New or Second Hand  S.H.  New  Ne  Sable we will notify your as sand should occur at	Depth  250   2700   3300   u before cementing a depth of about	Landed or Cemented	-sk -sk -sk
Size of Casing  12-1/2" 9-1/8" 7" OD  If changes in the above stimate that the first Additional information.	Weight Per Foot  50 % 36 % 24 %  ove plan become advist productive oil or grain:  1 be set at 3 orilled.	New or Second Hand  S.H.  New  New  Isable we will notify your as sand should occur at	Depth  250   2700   3300   u before cementing a depth of about	Cemented W/ 200 Cemented W/ 600 Cemented W/ 600 Cemented W/ 300 cemented W/ 300 g or landing casing. We	-sk -sk -sk
Size of Casing  12-1/2" 3-1/2" 7" OD  If changes in the above stimate that the first Additional information with the stimate that the first Additional information when well is	Weight Per Foot  50 % 36 % 24 %  ove plan become advist productive oil or grain:  1 be set at 3 orilled.	New or Second Hand  S.H.  New  New  Isable we will notify your as sand should occur at	Depth  250   2700   3800   u before cementing a depth of about  h desper as	Cemented W/ 200 Comented W/ 600 Comented W/ 600 Comented W/ 300 conted W/ 300 conted W/ 300 conted W/ 500 feet.	-sk -sk -sk
Size of Casing  12-1/2" 3-1/3" 7" OD  f changes in the above stimate that the first additional information will also	Weight Per Foot  50 % 36 % 24 ,  ove plan become advist productive oil or grain:  1.1 be set at 3	New or Second Hand  S.H.  New  New  Isable we will notify your as sand should occur at	Depth  250   2700   3300    u before cementing a depth of about the control of a depth o	Cemented W/ 200 Comented W/ 600 Comented W/ 600 Comented W/ 300 conted W/ 300 conted W/ 300 conted W/ 500 feet.	-sk -sk -sk
Size of Casing  12-1/2" 3-1/8" 7" OD  f changes in the abostimate that the firs additional information when well is	Weight Per Foot  50 % 36 % 24 %  ove plan become advist productive oil or grain:  1 be set at 3 orilled.	New or Second Hand  S.H.  New  Ne  Sable we will notify your as sand should occur at the same of the s	Depth  250   2700   3300    u before cementing a depth of about the desper as early yours.  TIDAL OIL	Cemented W/ 200 Comented W/ 600 Comented W/ 600 Comented W/ 600 Comented W/ 300 Comented W/ 200 Comented W/ 600 Comented W/ 300 Comented W/ 300 Comented W/ 300 Comented W/ 300 Comented W/ 600 Comented W/ 300 Comented W/ 600 Comented W/ 60	-sk -sk -sk
size of Casing  12-1/2" 3-1/8" 7" OD  f changes in the about that the first that the first that the first than the stimate that the stima	Weight Per Foot  50 % 36 % 24 %  ove plan become advist productive oil or grain:  1 be set at 3 orilled.	New or Second Hand  S.H.  New  Ne  Sable we will notify your as sand should occur at the same of the s	Depth  250   2700   3300    u before cementing a depth of about  h desper as  erely yours.  PIDAL OF:  Production  mnunication regar	Cemented W/ 200 Comented W/ 600 Comented W/ 600 Comented W/ 600 Comented W/ 300 gor landing casing. We feet.  four na censcry  Company or Operator.  Company or Operator.  Company or Operator.  Company or Operator.	-sk -sk -sk
Size of Casing  12-1/2" 9-1/8" 7" OD  If changes in the above that the first that	Weight Per Foot  50 36 24 24  ove plan become advist productive oil or grain:  1 be set at 3 arilled.	New or Second Hand  S.H.  New  New  Isable we will notify your as sand should occur at the second Hand  Since Inspector.  By A.  Position Send con Name	Depth  250   2700   3800    u before cementing a depth of about the desper as early yours.  FIDAL OIL  Froduction regarments of the second of	Cemented W/ 200 Comented W/ 600 Comented W/ 600 Comented W/ 600 Comented W/ 300 gor landing casing. We feet.  four na censcry  Company or Operator.  Company or Operator.  Company or Operator.  Company or Operator.	-sk -sk -sk

#### NEW MEXICO STATE LAND OFFICE OFFICE OF THE STATE GEOLOGIST

SANTA FE, NEW MEXICO

#### MISCELLANEOUS REPORTS ON WELLS

Submit this report in duplicate to the State Geologist or proper Oil and Gas Inspector 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 water shut-off, result of abandonment of well, and other important operations, even though the work was witnessed by the State Geologist or Oil and Gas Inspector. Reports on minor operations need not be signed and sworn to before a notary public, but such operations should be witnessed by an Oil and Gas Inspector if possible.

	re of rep	ort by checking below:		
REPORT ON BEGINNING DRILLING OPERATIONS	XX	REPORT ON DEEPENIN	IG WELL	
REPORT ON RESULT OF SHOOTING WELL		REPORT ON PULLING ALTERING CASING	OR OTHERWISE	
REPORT ON RESULT OF TEST OF WATER SHUT-OFF		REPORT ON REPAIRIN	G WELL	
REPORT ON RESULT OF ABANDONMENT OF WELL				
		Hoteline Committee	7/2/2/2	, · · · · · · · · · · · · · · · · · · ·
Mr. 6 6 State Ge	eologist.	PLACE	DATI	<b>:</b>
Santa Fe N. Mex.				
Following is a report on the work done	and the	results obtained under the	e heading noted ab	ove at the
Tide the hil Gomany	Bo	me Harrin	Well No.	in the
		T. 1815, R.		
of Sec.	1_3	1.22	County	1721 2 7 1721
The dates of this work were as follows:		Top speckup 1 th 1	NTA	
Notice of intention to do the work was	(man)	att submitted on Form S	G 1:33	or
Notice of intention to do the work was	rovol of	the proposed plan was	(was not) obtaine	d. (Cros
	iovai oi	the proposed plan was	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	. (
out incorrect words.)				
DETAILED ACCOUNT OF	WORK	DONE AND RESULTS	OBTAINED	
<b>Be</b> gan 7 (8) (12) 2 (42) / 4 (10) 2				
			÷	·
Subscribed and sworn to before me this  /6 day of March,  My commission expires 6/10/34	<u> تح تح 19</u>	I hereby swear or given above is true a Name Position Product Representing Address	ion Sure rint	endent
Remarks:			· · · · · · · · · · · ·	
		n dan dan dan dan dan dan dan dan dan da		
			Some	
				'LE

and the second s

# NEW MEXICO STATE LAND OFFICE Santa Fe, New Mexico

#### DEPARTMENT OF THE STATE GEOLOGIST

#### NOTICE OF TEST OF WATER SHUT-OFF

Notice must be given to the State Geologist or to the proper Oil and Gas Inspector at least five days before the test. It is desirable that a representative of the Department of the State Geologist witness the water shut-off before drilling into the productive sand whenever possible. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to sender. Submit this notice in duplicate.

	Hodos	N. Mex., 12-3	1932
Mr. E.M.Jells			
State Geologist, Santa Fe, New Mexico.			
Dear Sir:			
You are hereby notified that we intend to	test the shut-off of	water in Boons	iardin —
Well No. 4 in NET of Sec.	<b>19</b> T.	<b>188</b> , R.	38€
N. M. P. M., Kobbs	Oil Field	Lea	County,
on Dec. 23 19 32 /25"	60# 1b. casing was	cemented in	Red Bed
formation at a depth of226	feet onD	ec. 21	19 <b>32</b>
200 sacks of			
The method used in placing the cement wa			
hours before your inspection.  Adjacent property owners have been noti  Gypsy O11 Gold	fied as follows:	Skelly Oil	Company
Additional information:			
Approved Dec 7 3 19 3	Sincerely yours	71.7.16	
Except as follows:	By F. J.	Equied of	Company of Operator.
	V	niçation regarding	well to
_	Name £		
70 2800	Address	22 2" KK	4 1/2 more

#### NEW MEXICO STATE LAND OFFICE OFFICE OF THE STATE GEOLOGIST

SANTA FE, NEW MEXICO

#### MISCELLANEOUS REPORTS ON WELLS

Submit this report in duplicate to the State Geologist or proper Oil and Gas Inspector 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 water shut-off, result of abandonment of well, and other important operations, even though the work was witnessed by the State Geologist or Oil and Gas Inspector. Reports on minor operations need not be signed and sworn to before a notary public, but such operations should be witnessed by an Oil and Gas Inspector if possible.

out such operations should be witnessed by a	n Oil a	and Gas Inspector if possible.
	e of re	eport by checking below:
REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON DEEPENING WELL
REPORT ON RESULT OF SHOOTING WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING
REPORT ON RESULT OF TEST OF WATER SHUT-OFF	XX	REPORT ON REPAIRING WELL
REPORT ON RESULT OF ABANDONMENT		
		Hobbs. New Mexico 12/25/32
Mr. E. H. Wells State Geo	Jamiet	PLACE DATE
Mr. State Geo	Mogist,	
Following is a report on the work done a	and the <b>Boon</b> e	e results obtained under the heading noted above at the e Hardin Well No. 4 in the
NE 1 COMPANY OR OPERATOR 19	i	, T. 18s LEASE, R. 38e, N. M. P. M.,
Hobbs Oil Field,		Lea County.
The dates of this work were as follows:	De	egember 21, 1932
Notice of intention to do the work was	nVeka*) to lovo	Not submitted on Form SG 103 on f the proposed plan was (************************************
out incorrect words.)	ovai oi	the proposed plan was (manufactured. (Cross
Drilled plug and two feet shut off.	ofr	nes hole and have satisfactory
Subscribed and sworn to before me this  do day of Succession, 19  Mary Sierces Beat  NOTARY P  My commission expires June 16-3	9 <i>32</i> .	I hereby swear or affirm that the information given above is true and correct.  Name Production Superintendent Representing Tidal Oil Company COMPANY OR OPERATOR.  Address Drawer *KK ** Hobbs, New Mex.
Remarks:		
1 formar 42.		

MAME TITLE

## TIDE WATER COMPANIES

SUBJECT: Boone Hardin Well # 4

TO:

Mr. J. D. Hunter

FROM: Hobbs Office

ATTENTION: COPIES TO:

DATE: January 6th, 1933

Dear Sir:

In regard to our conversation of this morning regarding Boone Hardin Well # 4, and Gypsy Oil Company's Hardin # 2. In checking the formation on the two wells they run close together as far as we have gone. Top of anhydrite on our Hardin # 4 is 1545, and on Gypsy's well is 1580. Top of salt on our well is 1705, and on Gypsy's well is 1700.

If the Gypsy has success in cementing their pipe, we would like to have your permission to complete our well the same as they have theirs. We will core through the Bowers sand, and should we get any showing of oil or gas, we will run the 9-5/8" casing, if not, we would like to leave this string of casing out and set the?" on top of the lower pay and cement with 900-sax of cement.

Very truly yours,

Johnnich

LL

#### DEPARTMENT OF THE STATE GEOLOGIST

#### STATE LAND OFFICE

SANTA FE, NEW MEXICO

#### MISCELLANEOUS REPORTS ON WELLS

Reports should be made within ten days of completing the work indicated and should be submitted in duplicate.

Indicate nature of report by checking.

Totice of intention to drill	Subsequent record of shooting				
otice of intention to change plansXX	Notice of intention to pull or otherwise alter casing				
otice of date for test of water shut-off	The state of the s				
teport on result of test of water shut-off					
Totice of intention to re-drill or repair well	Supplementary well history				
Totice of intention to shoot	Monthly report of operations				
Mr. E. H. Wells	Hobbs N. Mex. 1/27/33				
State Geologist					
Santa Fe, New Mexico.					
Following is a report giving the results of work	done as indicated above atBoone Hardin				
Well No. 4 in NET	.of Sec19				
N.M.P.M., Hobbs Oil Field	Lea County.				
DET	AILS				
of casing run or proposed; indicating mudding jobs,	s or producing horizon; show sizes, weights, and lengths cementing points, water horizon, number of days				
operated, and total depth at end of month, and oth	ner important information.				
# 4, we wish your approval of runniand cementing just above lower pay was tested for gas by Haliburton diand total depth of 3067%. Cored for 3297% to 3302% and 3327 to 3340% of the cored for the same of the cored for the cored	er oil & gas horizons in Boone Hardin ing only one string of (7" OD) casing with 700-sax of cement. Brown lime will stem test, with packer set at 288 as Bowers sand from 3260' to 3273' —				
DUFLICATE					
Approved Z-2-33 (Date)	Company TIDE HATER OIL COMPANY  By A Selminole				
(Name)	Title PRODUCTION SUPERINTENDENT				
Title Stote Oil + Gos Tusis	Address DRATER *KK* HOBBS, N. M.				
Address	<u></u>				

Hobbs, New Mexico January 27th, 1933

Mr. J. D. Hunter, Carlsbad, New Mexico

Dear Sir:

Attached is change of casing plans report on Boone Hardin # 4. Original and first copy for your files, second and third copies to be approved and returned to,

TIDE WATER OIL COMPANY

DRAWER "KK"

HOBBS, NEW MEXICO

LL

Tidal Hardin #4; Drilling  $12\frac{1}{2}$ " hole to 2788'. Beduced to 8-1/8" at that depth and Plan on setting 7" 0. D. for oil string. With 700 Sks.

TIDAL Hardin #4: HALLIBURTON TEST: Set wall packer 183' off bottom of 3067' or 2884' and tested for the gas from that depth to the bottom of the hole. Left the tested open for 8 min. and no gas was present. Unable to detect any gas. Fluid did not lower any in the hole when the tester was opened.

#### MEW MEXICO STATE LAND OFFICE Santa Fe, New Mexico

#### DEPARTMENT OF THE STATE GEOLOGIST

#### NOTICE OF TEST OF WATER SHUT-OFF

Notice must be given to the State Geologist or to the proper Oil and Gas Inspector at least five days before the test. It is desirable that a representative of the Department of the State Geologist witness the water shut-off before drilling into the productive sand whenever possible. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to sender. Submit this notice in duplicate.

Mr. E.H. Wells		N. Mex.,	****	19 <b>193</b> 3
Mr. B.H. Wells		,		
State Geologist, Santa Fe, New Mexico.				
Dear Sir:				
You are hereby notified that we intend to test	the shut-off of	water in	Boone	Hardin
Well No. 4 in of Sec.	<b>19</b> , T.	18	, R	38
N. M. P. M., Hobbs	Oil Field	. <b></b>	Lea	County,
N. M. P. M., Hobbs on Feb. 4th 19 33 7" OD 24 formation at a depth of 3665 3966	tb. casing was {	cemented	in L1m	
formation at a depth of 3665 3966	. feet on	INDY Jai	31, 193	<b>3</b> 19
700 sacks of Encor		cement we	re used.	
The method used in placing the cement was as	follows:	aliburto	Process	: •
Fluid level will be bailed to a depth of hours before your inspection.  Adjacent property owners have been notified <b>Gypsy O11 Company</b> Additional information:				

#### 2

#### NEW MEXICO STATE LAND OFFICE OFFICE OF THE STATE GEOLOGIST

SANTA FE, NEW MEXICO

#### MISCELLANEOUS REPORTS ON WELLS

Submit this report in duplicate to the State Geologist or proper Oil and Gas Inspector 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 water shut-off, result of abandonment of well, and other important operations, even though the work was witnessed by the State Geologist or Oil and Gas Inspector. Reports on minor operations need not be signed and sworn to before a notary public, but such operations should be witnessed by an Oil and Gas Inspector if possible.

but such operations should be witnessed by an	Oil an	need not be signed and sworn to before a notary public, and Gas Inspector if possible.
	of rep	ort by checking below:
REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON DEEPENING WELL
REPORT ON RESULT OF SHOOTING WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING
REPORT ON RESULT OF TEST OF WATER SHUT-OFF	X	REPORT ON REPAIRING WELL
REPORT ON RESULT OF ABANDONMENT		
	<u> </u>	Hobbs, N.M. 2/4/33
Mr. E. H. dells State Geol	المائمة	PLACE DATE
Santa Fe, N. Mex.	ogist,	
Following is a report on the work done as	nd the	results obtained under the heading noted above at the
Tide Water Oil Company	30 one	Hardin "A" Well No. 4 in the
NET COMPANY OR OPERATOR OF Sec. 19		T. 18 s , R. 38e , N. M. P. M.,
Hobbs Oil Field. I	.ea	County.
The dates of this work were as follows:	Į,	County.
Notice of intention to do the work was	kwaeka	submitted on Form SG 103 on
Feb 2nd, 1933, 19, and appro	val of	the proposed plan was ** obtained. (Cross
out incorrect words.)		
		with 700 sax - Halliburton process
	Constants Shorts	
Subscribed and sworn to before me this day of July 19	<u>33</u> .	I hereby swear or affirm that the information given above is true and correct.  Name of the same of th
My commission expires june 10-36	BLIC.	Position Prod. Sup t.  Representing Tide Water Oil Company
My commission expires	.Z	Address Praver KK, Hobbs, N.K.
Remarks:		
Witnessed test of Februa	ry 5t	h, 1933 - PPROVED AS CO.

NAME

Carlsbad, New Mexico

Tidal Oil Company, Drawer KK, Hobbs, New Mexico.

ATT: hr. Lard.

Dear Sir:

We do not have the following report on your Hardin #4 well which you have just completed.

REPORT OF BEGINFING DRILLING OPERATION on form SC106 FIRE LINE CONNECTION HEQUEST on form SG109

I am enclosing the proper forms for this, please take these out at your earliest convenience and forward them to this office, thank you.

Very truly yours,

Encl: Forms SG106

J. D. Hunter, Oil and Gas Inspector

F. S. We require two of the SG106 and three of the SG109, one of which will be returned upon approval. Should you need more approved copies we will be gated to return them.

Hunter.

Reports received as requested in this letter.

# NEW MEXICO STATE LAND OFFICE SANTA FE, NEW MEXICO

### DEPARTMENT OF THE STATE GEOLOGIST NEW MEXICO SCHOOL OF MINES SOCORRO, NEW MEXICO

## REQUEST FOR PERMISSION TO CONNECT WITH PIPE LINE

This request should be made in triplicate. Permission of the Commissioner of Public Lands should be obtained before connecting.

connecting.						
		Hob	bs	N. Mex.,	liaron 16th	1933
Mr. B. H.	lls					
State Geolog Socorro	gist, , N. Mex.					
Dear Sir:						
Permission	is requested to o	connect	3 <b>0</b> 0	ne Hardin		
Wells No.	in		NE#	of Sec	1,	·····
Т. 13в	, R	₹8e	, N.	M. P. M.,	Hobbs	
Field,						
	Name of Pipe L above wells were quirements have	e filed with t		Geologist	Feb 13th	19 <b>3</b> 3
The second secon	CATE		Yours tr	•	GIL COMPAN	<b>Y</b> r or Operator
Permission i granted to make connections req above.	pipe line		Position	Product	tion Superin	tendent
	Commissioner of	Fublic Lands.	Approve	d <i>M</i>	n 20 HWEL	19.33 lo
Date		19			S	tate Geologist

poly shipson