U. S. LAND OFFICE SERIAL NUMBER 079354

LEASE OR PERMIT TO PROSPECT

## UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

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mpany El	Paso Natur	al Gas C	ompany	Address	Box	)90, F∃	rmingto	n, New	Mexico
essor or Tract	Rincon Un	it		Field	Basin I	) kota	State	nev M	EXICO
ell No <u>17</u>	Sec. <b>31</b> T	27N R.	6W Merio	dian N.M.	P.M.	Cour	ty Rio	Arribe	((50
ocation 220	ft. S of N	Line an	d 1180 ft.	$\begin{bmatrix} \mathbf{K}\mathbf{X} \\ \mathbf{W} \end{bmatrix}$ of $\mathbf{E}$	Line of	Section	31.	Elevat	ion (2029)
The informs	ation given he	erewith is	a complete	e and correct	t record o	f the we	ll and all	work do	one thereon
far as can be	determined <b>f</b> r	om all ava	ailable reco Sig	ords. med	· 3. 3	L SIGNE	1 1 10	131.17	
ate _ <b>Decen</b> ise	w 5 106 <b>2</b>			11000					<b>r</b>
	ry on this pag			n of the well					
ommenced dril	ling 8-13	} ·	19.	52 Finish	ed drilling	g9:	6		19 5 <b>2</b>
ommended (a i				S SANDS C					
			(De	enote gas by $G$ )					
o. 1, from	7300	- to	7426 (G)	No. 4,					
o. 2, from	7428	_ to	76 <b>2</b> 0 (G)	No. 5	, from		to	)	
o. 3, from		. to		No. 6	, from		to	)	
				NT WATER					
o. 1, from									
o. 2, from		. to					t(	)	
			CASI	ING RECO	RD		Darfo	=::-====:	
Size Weight	Threads per inch	Make	Amount	Kind of shoe	Cut and pu	ılled from	From-	To-	Purpose
<b>/8</b> " <b>32.</b> 3	A rd	H-hO	303	Howco					Surface
·····	!		·		-			·	
/2" 15.5, 7	20 8 rd	J-55 , N-C	7718	Baker	-				Prod. casing
/8" 4	8 rd	J-55	753 <b>2</b>		<del></del>				Prod_tubing
		· <del></del>							
	:	MUDI	DING AND	CEMENT	ING REC	CORD			
Size Where s	· !	ber sacks of ce		Method used		i gravity	A	mount of re 	1ud used 
<del>/8" 31</del> 7		<del>21</del> 0		ireulated			-		
/ <del>2</del> " 77 <del>29</del>		44O		-stage					
									<u> </u>
			PLUGS	AND ADA	PTERS				
Heaving plug-									
Adapters—Mat	erial	·						<del></del>	
: <u>-</u>			SHOO	TING REC	מפטי				
					OKD				
	hell used	Explosive t		Quantity	Date	Depth shot		Depth clea	
idizing: Peri	rs 7670-88(	(2 SPF);	Spotted !	Quantity 500 gal. 18	Date 18	00#,Pu	med ac	id in 6 c v/59.	1.2300# 704 gal water
idizing:Peri r£ 7542-4∂(; ,000# ed, F	fs 7670-88( 2877);7515- lush v/7500	(2 SPF);	Spotted   -08(3 SP ter,IR	Quantity 500 gal IK F);7460-66 7-3 BPM.M	Date CL, BD 18 5;7374-8 ax pr 38	00#,Pu	med ac	id in 6 c v/59.	
1dizing:Peri rf. 7542-46(; ,000# sd., F ops of 12 b	rs 7670-88( 28FF);7515- lush v/7500	(2 SFF); -21;7504 ) gal wa	Spotted   -08(3 SP ter, IR 4	Quantity 500 gal IK F);7460 66 7-3 BPM.M	Date CL, BD 18 5;7374-8 ax nr 38	00#,Pu 0(2 SP 00#.BD	sped ac f); Fra 7 700#,	id in 4 c w/59, tr pr 2	1.2300# 704 gal weter 2600-3800, 4
ldizing: Peri ef 7542-և∂( 1000# sd. F ops of 12 be Rotary tools w	7570-88( 28FF); 7515- luch w/7500 alls. ere used from	(2 SPF); 21;7504 ) gal wa	Spotted -08(3 SP ter, IR 4: To	Quantity  500 gal   K F); 7460 66 7-3 BPM.M  OOLS USEI	Date CL, BD . 18 5;7374 - 8 ax - pr - 38 D feet, and	00#,Pur 0(2 SPI 00#.BDI	sped ac f); Fra 2.700#;	id in () c w/59, tr pr 2	1.2300# 704 gal weter 2600-3800, 4
ldizing: Peri rf. 7542-և∂( ,000# sd., F ops of 12 be Rotary tools w	7570-88( 28FF); 7515- luch w/7500 alls. ere used from	(2 SPF); 21;7504 ) gal wa	Spotted -08(3 SP ter, IR 4: To	Quantity  500 gal   K F); 7460 66 7-3 BPM.M  OOLS USEI	Date CL, BD . 18 5;7374 - 8 ax - pr - 38 D feet, and	00#,Pur 0(2 SPI 00#.BDI	sped ac f); Fra 2.700#;	id in () c w/59, tr pr 2	1.2300# 704 gal weter 2600-3800, 4
idizing: Peri rf. 7542-4ô(i ,000# sd., F ops of 12 b Rotary tools w Cable tools wer	25.7570-88( 25.75);7515- lush w/7500 118. ere used from e used from	(2 SPF); -21;7504 ) gal wa	Spotted	Quantity  500 gal IK  F); 7460-66  7-3 BPM.M  OOLS USEI  0	Date 18 5:7371 8 8 2 38 D feet, an	00#, Pur 0(2 SPI 00#, BDI d from	med ac !); Fra ? 700#,	id in a c v/59, tr pr a feet to	1.2300# 704 gal weter 2600-3800, 4
idizing: Periof 7542-48(1,000# sd. F. cops of 12 be Rotary tools were 10-23-	fs. 7570-88(287);7515-1uch v/7500 alls. ere used from e used from	(2 SFF); 21;7504 ) gal wa 0	Spotted ! -08(3 SF ter,IR 4' Ter feet t	Quantity  500 gal	Date 21.,BD .18 5;7371-8 ax nr 38 D feet, an feet, an	00#, Pur 0(2 SP 00#, BD d from	med ac !); Fra ! 700#;	id in 6 c v/59, tr pr 5 feet to	2300# 704 gal water 500-3800, 4 feet feet feet
Idizing: Peri 12.75\2-\6(1 .000# sd. F. ops of 12 be Rotary tools wer Cable tools wer 10-23-	fs. 7570-88(28FF);7515- luch v/7500 alls. ere used from a section for the	(2 SFF); 21;7504 ) gal wa 0 , 19 , 19	Spotted	Quantity  500 gal	Date  CL, BD 18 5;7371-8 ax. nr 38 D feet, and oppoducion of the producion	OO#, Pur O(2 SP OO#, BD) d from d from	ped ac ; Fra ? 700#,	id in fi c w/59, tr pr 5 . feet to . feet to	1.2300#
Idizing: Period 17542-48(17542-48(17542-48) From of 12 be Rotary tools were 10-23-  The product of the product	7570-88(287);7515-luch v/7500 alls. ere used from etion for the	(2 SFF); -21;7504 ) gal wa 0	Spotted	Quantity  500 gal K F); 7460-66 7-3 BFM.M  OOLS USEI 0 .7729  DATES Put t	Date  CL, BD 18  5:7371-8  ax nr 38  D feet, and oppoducing the sof flu	oo#, Pur o(2 SP) oo#, BD) d from d from id of wh avity, °H	ned ac 7); Fra 700#,	id in a c v/59, tr pr 5	1.2300#
idizing: Period 17542-48(1,000	rs 7570-88(287);7515-luch v/7500 alls. ere used from etion for the cowater; and	(2 SFF); (2 1;7504) (2 1;7504) (3 1;7504) (4 1;7504) (5 1;7504) (7	Spotted ! -08(3 SP ter,IR 4  Tell feet t  feet t  2 cours was addiment.	Quantity  500 gal ik  F); 7460-66  7-3 BPM.M  OOLS USEI  0 .7729  DATES  Put t	Date  CL, BD 18  5:737 18  ax or 38  D feet, and o producing of fluggers of fl	oo#, Pur o(2 SPI oo#, BDI d from d from id of wh avity, °F	nped ac f); Fre- 700#,- nich	id in fice w/59, tr pr 2 feet to feet to % was of gas	1.2300#
Idizing: Period 17542-43(17542-43(17542-43) From of 12 be Rotary tools were 10-23-  The production;  If gas well	7570-88(287);7515-luch v/7500 alls. ere used from etion for the	(2 SFF); (2 1;7504) (2 1;7504) (3 1;7504) (4 1;7504) (5 1;7504) (7	Spotted	Quantity  500 gal K F); 7460 66 7-3 BPM.M  OOLS USEI 60 7729 60 DATES Put t bar	Date  CL,BD 18 5;7371-8 ax nr 38  D feet, and o producing the feet of flu  Grass gasoline  A.O.	oo#, Pur o(2 SPI oo#, BDI d from d from id of wh avity, °F	ned ac 7); Fra 700#,	id in fice w/59, tr pr 2 feet to feet to % was of gas	1.2300#
Adizing: Period 17, 17542 48 (17542	re 7570-88(287);7515-1uch v/7500 alls. ere used from action for the % water; and i, cu. ft. per 2 sure, lbs. per	(2 SFF); (21;7504) (21;7504) (21;7504) (21;7504) (31;7504) (41;750	Spotted	Quantity  500 gal ik  F); 7460-66  7-3 BPM.M  OOLS USEI  0 .7729  DATES  Put t	Date  CL,BD 18 5;7371-8 ax nr 38  D feet, and o producing the feet of flu  Grass gasoline  A.O.  S	oo#, Pur o(2 sp oo#, BD) d from d from id of wh avity, °H e per 1,0	ich 3 MCF/L	tr pr 2 feet to feet to % was	1.2300#
dizing: Period 17542-48(1900	rere used from e used from for the water; and cu. ft. per 2 sure, lbs. per	(2 SFF); (2 1;7504) (2 1;7504) (3 1;7504) (4 1;7504) (5 1;7504) (6 1;7504) (7	Spotted08(3 SP ter,IR 4  feet t feet t  2 sours was sediment	Quantity  500 gal K F); 7460 66 7-3 BPM.M  OOLS USEI 60 7729 60 DATES Put t bar	Date  CL, BD 18 5:7371.8 ax nr 38 D feet, and oppoducing the set of fluggers and set of fluggers are set of fluggers.  A.O. S	oo#, Pur o(2 SP oo#, BD) d from d from id of wh avity, °H e per 1,0	ich	id in fict w/59, tr pr 5 . feet to feet to % was of gas	1.2300#
Idizing: Period 17542-48(1,000	rere used from e used from for the water; and cu. ft. per 2 sure, lbs. per	(2 SFF); (2 1;7504) (2 1;7504) (3 1;7504) (4 1;7504) (5 1;7504) (6 1;7504) (7	Spotted08(3 SP ter, IR 4  feet t feet t  2 nours was ediment. 5,554,000 E, Driller, Driller	Quantity  500 gal K F); 7460 66 7-3 BPM.M  OOLS USEI 60 7729 60 DATES Put t bar	Date  CL, BD 18  5:737 18  ax or 38  D feet, and o producing fress of flu  Grass gasoline  A.O.  S	oo#, Pur o(2 SP oo#, BD) d from d from id of wh avity, °H e per 1,0	ich	id in fict w/59, tr pr 5 . feet to feet to % was of gas	1.2300#
Idizing: Period (1900) sd. F. 1900 of 12 be Rotary tools were 10-23- The production; If gas well Rock pres	reformation for the control of the c	(2 SFF); (21;7504) (21;7504) (21;7504) (31;7504) (4) (4) (5) (6) (7) (7) (7) (7) (7) (8) (8) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	Spotted08(3 SP ter, IR 4  feet t feet t  2 nours was ediment. 5,554,000 E, Driller, Driller	Quantity  500 gal ix F); 7160 66 7-3 BPM. M  OOLS USEI 60 7729 60 DATES Put t bar Gallor	Date  CL, BD 18  5:737 18  ax or 38  D feet, and o producing fress of flu  Grass gasoline  A.O.  S	oo#, Pur o(2 SPI oo#, BDI d from d from id of wh avity, °H e per 1,0	ich	id in fict w/59, tr pr 5 . feet to feet to % was of gas	1.2300#
Idizing: Period 17542-48(17542-48(17542-48)(1	reformation for the constraint, cu. ft. per 2 sure, lbs. per	(2 SFF); (21;7504) (21;7504) (21;7504) (31;7504) (4) (4) (5) (6) (7) (7) (7) (7) (7) (8) (8) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	Spotted08(3 SP ter, IR 4 Ter feet t feet t feet t feet t pours was ediment Jobb, 000 280 CSS. F, Driller FORM TOTAL FEET	Quantity  500 gal ix F); 7460-66 7-3 BPM.M  OOLS USEI 0 .7729 DATES Put t bar  Gallor  EMPLOYEE	Date  CL, BD 18 5;7371-8 ax nr 38 D feet, and o producing the set of fluggers and set of fluggers are set of fluggers.  A.O. S	oo#, Puro(2 SP) oo#, BD) d from d from id of wh avity, °H e per 1,0	ich 3 MCF/L	id in fict w/59, tr pr 2	1.2300#
Idizing: Period 17542-48 (1.000 # sd. F. 1.000 # sd	re- 7570-88(28FF);7515-luch v/7500 alls. ere used from ection for the % water; and , cu. ft. per 2 sure, lbs. per	(2 SFF); (21;7504) (21;7504) (21;7504) (31;7504) (4) (4) (5) (6) (7) (7) (7) (7) (7) (8) (8) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	Spotted08(3 SP ter,IR 4 Tell feet t feet t  2 nours was ediment. 5,554,000 E, Driller FORM TOTAL FEET	Quantity  500 gal ix F); 7160 66 7-3 BPM.M  OOLS USEI 60 7729 60 DATES Put t bar  Gallor  EMPLOYEE	Date  CL,BD 18 5;7371-8 ax nr 38 D feet, an o produci crels of flu Gr as gasoline A.O. S	oo#, Pur o(2 spi oo#, BD) d from d from id of wh avity, °H e per 1,0 .F. 708	ped ac P. 700#, aich 36. 00 cu. ft 3 MCF/I	tr pr s feet to feet to feet to	1.2300#
dizing: Period 17542-48 (1.000 # sd. F. 1.000 # sd.	re- 2429 2515  2429 2516	(2 SFF); (21;7504) (21;7504) (21;7504) (31;7504) (4) (4) (5) (6) (7) (7) (7) (7) (7) (8) (8) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	Spotted08(3 SP ter, IR 4 Tell feet t feet t  2 tours was tediment. 5,554,000 280 SSG. E TOTAL FEET 2429 87	Quantity  500 gal ix F); 7160 66 7-3 BPM.M  OOLS USEI 0 7729 60 DATES Put t bar  Gallor  EMPLOYEE  IATION RE	Date  CL, BD 18 5;7371-8 ax nr 38 D feet, an o produci crels of flu Gr as gasoline A.O. S	oo#, Pur o(2 spi oo#, BD) d from d from id of wh avity, °H e per 1,0 .F. 708	ped ac p. 700#, p. 700#, aich 36. 00 cu. ft 3 MCF/I	id in fice w/59, tr. pr 5 feet to feet to was detected as	704 gal water 2300# 704 gal water 2500-3800, 4  feet feet  , 19  oil;%  Driller , Driller
dizing: Period 17542-48(17542-48(17542-48(17542-48))  Rotary tools were considered tool	re- 7570-88(28FF);7515-luch w/7500 alls. ere used from etion for the control of the control	(2 SFF); (21;7504) (21;7504) (21;7504) (21;7504) (31;7504) (41;750	Spotted08(3 SP ter,IR 4  To feet t  feet t  22 tours was rediment	Quantity  500 gal ik F);7460-66 7-3 BPM.M  OOLS USEI 0 :7729  DATES Put t bai  Gallor  EMPLOYEE  IATION RE  Tan t Ojo A Kirtl grn	Date  CL, BD 18 5:7371.8 6:7371.8 ax nr 38 D feet, and o producing the set of fluctures of fluct	oo#, Puro(2 spice) o(2 spice) oo#, BDI d from d from d from d from d from d from spice per 1,0 spice per	med ac i); Fra- p-700#; aich	id in fice w/59, tropress. feet to fee	2300#
Adizing: Period 17542-48 (17542-48) (17542-4	re- 2429 2515  2429 2516	(2 SFF); (21;7504) (21;7504) (21;7504) (21;7504) (31;7504) (41;750	Spotted08(3 SP ter, IR 4 Tell feet t feet t  2 tours was tediment. 5,554,000 280 SSG. E TOTAL FEET 2429 87	Quantity  500 gal ik F);7450-66 7-3 BPM.M  OOLS USEI 60 7729 60 DATES Put t 60 bar  Gallor  CMPLOYEE  IATION RE  Tan t Ojo A Kirtl grn Fruit	Date  CL, BD 18 5:7371.8 ax nr 38 D feet, and o producing the set of fluggers and formula set.  CCORD  CCORD  CORD  CORD	oo#, Pur o(2 sp oo#, BD) d from d from d from d from d from d from e per 1,0 se per 1,0 Fo r-grn s White	ich  ich  ich  ich  ich  ich  ich  ich	id in fice w/59, tropress. feet to fee	d 2300#
Adizing: Period (1900) sd. Find the production; If gas well Rock pression (1904) series (1904) serie	7570-88(28);7515-1uch v/7500 2118. ere used from etion for the % water; and , cu. ft. per 2 sure, lbs. per  2429 2515 2894 3115	(2 SFF); (21;7504) (21;7504) (21;7504) (21;7504) (31;7504) (41;750	Spotted08(3 SP ter, IR 4 Ter feet t feet t feet t feet t pours was ediment Jobb, 000 280 CSS. F Driller FORM TOTAL FEET 2429 87 373 222	Quantity  500 gal ik F);7460-66 7-3 BPM.M  OOLS USEI 60 7729 60 DATES Put to bar  Gallor  EMPLOYEE  IATION RE  Tan to OJO A  Kirtl grn Fruit coal	Date  CL, BD 18 5;7371.8 ax nr 38 D feet, an o produci crels of flu Gr as gasoline A.O. S  CORD  O gry c: lamo ss and for ss. land for	oo#, Pur o(2 sp oo#, BD) d from d from d from d from d from d from e per 1,0 se per 1,	med ac.  1); Francisch  36.  3 MCF/I  EMATION  s inter  carb s  tht, fir	id in fice w/59, tr-pr 5 feet to f	d. 2300#
Idizing: Period 17542-48(1,000) sd. F. Ope of 12 be Rotary tools were 10-23-  The production;  If gas well Rock pres	7570-88(287);7515-1uch v/7500 2118. ere used from etion for the % water; and , cu. ft. per 2 sure, lbs. per  2429 2515 2834 3135	(2 SFF); (21;7504) (21;7504) (21;7504) (21;7504) (31;7504) (41;750	Spotted08(3 SP ter,IR 4 Tell feet t feet t  feet t  colors was ediment. colors was FORM TOTAL FEET  2429 87 378 222	Quantity  500 gal K F);7160-66 7-3 BPM.M  OOLS USEI 0 7729 60 DATES Put t bar  Gallor  EMPLOYEE  IATION RE  Tan t Ojo A Kirtl grn Fruit coal Pictu vari	Date  CL, BD 18 5;7371-8 ax nr 38 D feet, an o produci crels of flu Gr as gasoline A.O. S CORD  CORD  CORD  A.O. S A.O. S A.O. S CORD  COR	oo#, Pur o(2 spi o(2 spi o(2 spi o(3 spi o(4 s	med ac.  1); France, France, Carb sent firms. Gr:	id in fice w/59, tr. pr. 5 feet to	d 2300#  704 gal water  600-3800, 4  feet  feet  feet  , 19  oil;%  Driller  , Driller  w/gry sh.  d w/tight gry  ttered coals,  ss.  grn z tight,
dizing: Period 17542-48 (1.000 # sd. F. 1.000 # sd.	7570-88(2877);7515-1uch v/7500 2118.  ere used from  etion for the % water; and , cu. ft. per 2 sure, lbs. per  70- 2429 2515 2894 3135 3152 4772	(2 SFF); (21;7504) (21;7504) (21;7504) (21;7504) (31;7504) (41;750	Spotted08(3 SP ter, IR 4 Tell feet t feet t feet t sediment poiller priller FORM TOTAL FEET 2429 87 378 222 35	Quantity  500 gal K F);7160-66 7-3 BPM.M  OOLS USEI 0 7729 60  DATES Put t bar  Gallor  EMPLOYEE  IATION RE  Tan t Ojo A Kirtl grn Fruit coal Pictu vari	Date  CL, BD 18 5;7371.8  ax. nr 38  D feet, and o producing the producing form as gasoline and form as and form as and form as and form as and gured Clicolored form.	oo#, Pur o(2 spi o(2 spi o(2 spi o(3 spi o(4 s	med ac (); Fra- (); Fra-	id in fice w/59, tr. pr. 5 feet to	d w/tight gry ttered coals, solver  solver  feet  feet  feet  , 19  oil;  , Driller  w/gry sh. d w/tight gry ttered coals, ss.  grn m tight,
Idizing: Period 17542-48(19542-48(19542-48)(19	7570-88(2877);7515-1uch v/7500 alls. ere used from ection for the control of	(2 SFF); (21;7504) (21;7504) (21;7504) (21;7504) (31;7504) (41;750	Spotted08(3 SP ter,IR 4 Tell feet t feet t  feet t  colors was ediment. colors was FORM TOTAL FEET  2429 87 378 222	Quantity  500 gal ik F);7450-66 7-3 BPM.M  OOLS USEI O .7729 O DATES Put to bar  Gallor  EMPLOYEE  IATION RE  Tan to Ojo A  Kirtl  grn Fruit coal Pictur vari Lewis Cliffi Menes	Date  CL, BD 18  5:7371.8  ax nr 38  D feet, and o producing the set of fluit and formula and formula and gured Clicelored form.  Thouse feet form	oo#, Pur o(2 SPI o(2 SPI o(2 SPI o(3 SPI o(4 S	med ac P. 700#, dich 36. 3 MCF/L EMATION IS inter carb is carb is cht, fine-gri sh inter fine-gri fine-gri	id in fice w/59, tropress. feet to fee	d 2300#  704 gal water  600-3800, 4  feet  feet  feet  , 19  oil:
Idizing: Period 17542-48(: 17542-	7570-88(2877);7515-1uch v/7500 2118.  ere used from  etion for the % water; and , cu. ft. per 2 sure, lbs. per  70- 2429 2515 2894 3135 3152 4772	(2 SFF); (21;7504) (21;7504) (21;7504) (21;7504) (31;7504) (41;750	Spotted08(3 SP ter,IR 4 -08(3 SP ter,IR 4 -08(3 SP Teet to feet to .	Quantity  500 gal K F);7450-66 7-3 BPM.M  OOLS USEI 60 7729 60 DATES Put to bar  Gallor  CMPLOYEE  IATION RE  Tan to Ojo A  Kirtl  grn  Fruit coal Pictu vari Levis Cliffi Menei Point	Date  CL, BD 18  5:7371.8  ax nr 38  D feet, and o producing the set of fluid for set of form.  CORD  C	oo#, Pur o(2 spi o(2 spi o(2 spi o(3 spi o(4 s	med ac F); Fra- Fra- Fra- Fra- Fra- Fra- Gramation  Seinter	id in fice w/59, tropress. feet to fee	d w/tight gry ttered coals, sil ss. ense sil ss.
Idizing: Period 17542-48(1,000	7670-88(2877);7515-1uch w/7500alls. ere used from etion for the % water; and , cu. ft. per 2 sure, lbs. per 2515 2894 3115 3151 4772 4921 5350 5472	(2 SFF); (21;7504) (21;7504) (21;7504) (21;7504) (31;7504) (41;750	Spotted08(3 SP ter,IR 4  To feet t  feet t  feet t  2  aurs was ediment.  6,564,000 280 esg. FORM  TOTAL FEET  2429 87 378 222 35 1521 149 429 122	Quantity  500 gal K F);7460-66 7-3 BPM.M  OOLS USEI 60 7729 60 DATES Put to bar  Gallor  CMPLOYEE  IATION RE  Tan to Ojo A Kirtl grn Fruit coal Pictu vari Lewis Cliff Menei Point w/fr	Date  CL, BD 18  5:7371.8  ax nr 38  D feet, and o producing the set of fluctures o	oo#, Pur o(2 sp) o(2 sp) o(2 sp) o(3 sp) d from d from d from d from following avity, °F e per 1,0 s.F. 708  Following r-grn s. White m. Gry ry, tig ffs for soft s Gry, fi ss. Gry t form, sh bres	EMATION  S inter  carb s  carb	id in fice w/59, tropress. feet to fee	d 2300#  704 gal water  600-3800, 4  feet  feet  feet  , 19  oil:
10-23- The production; FROM-  0 2429 2515 2894 331 3151 4772 4921 5350	7670-88(2877):7515-1uch w/7500alls. ere used from etion for the % water; and , cu. ft. per 2 sure, lbs. per 2516 2894 3136 3151 4772 4921 5350 5472 3476	(2 SFF); (21;7504) (21;7504) (21;7504) (21;7504) (31;7504) (41;750	Spotted08(3 SP ter,IR 4  feet t  feet t  feet t  22  aours was ediment	Quantity  500 gal K F);7460-66 7-3 BPM.M  OOLS USEI 60 7729 60 DATES Put to bar  Gallor  MPLOYEE  IATION RE  Tan to Ojo A Kirtl grn Fruit coal Pictu vari Lewis Cliff Menei Point W/fr Mance Gallor	Date  CL, BD 18  5:7371.8  ax nr 38  D feet, and o producing the feet, and forms.  CCORD  CCO	oo#, Pur o(2 SP) o(2 SP) oo#, BD) d from d from d from d from solve, of e per 1,0 Fo) r-grn s . White m. Gry ry, tig ffs for soft s Gry, fi ss. Gry, t form, sh bres Gry ce Lt gr;	EMATION  S inter  carb s  carb s  carb s  fire-gr  fire-gr  fire-gr  ks  to br  y to br	redded  of gas  of gas	d. 2300#  704 gal water  600-3800, 4  feet  feet  feet  , 19  oil; %  v/gry sh.  d. w/tight gry  ttered coals,  ss.  -grn m tight,  sal ss.  earb sh & coal  ne sil ss.  carb micac
### Addizing: Park   17542-48 (17542-48 (17542-48 (17542-48 (17542-48 (17542-48 (17542-48 (17542-48 (17542-48 (17524-48 (1752	7670-88(2877);7515-1uch w/7500alls. ere used from etion for the % water; and , cu. ft. per 2 sure, lbs. per 2515 2894 3115 3151 4772 4921 5350 5472	(2 SFF); (21;7504) (21;7504) (21;7504) (21;7504) (31;7504) (41;750	Spotted08(3 SP ter,IR 4	Quantity  500 gal K F);7460-66 7-3 BPM.M  OOLS USEI O 7729  DATES Put t  bar  Gallor  MPLOYEE  IATION RE  Tan t Ojo A Kirtl grn Fruit coal Pictu vari Lewis Cliff Menei Point Mance Galla glan	Date  CL, BD 18  5:7371.8  ax nr 38  D feet, and o producing the feet, and form seed and form seed click form.  CORD  CO	oo#, Pur o(2 SP) o(2 SP) o(4 SP) d from d from d from d from regra so For regra so White m. Gry ry, tig ffs for soft so Gry, fi ss. Gry t form sh bres Gry co Lt gry fine	EMATION  s inter  carb s  carb s  carb s  fine-gra  fine	id in fice w/19, tr pr 2 feet to f	feet  feet  feet  feet  feet  feet  feet  priller  priller  priller  w/gry sh.  d w/tight gry  ttered coals,  ss.  grn z tight,  ense sil ss.  erb sh & coal  ne sil ss.  carb micac  interbed sh.
1dizing: Period 17542-48(: 17542-	7670-88(2877);7515-1uch v/7500 alls. ere used from etion for the % water; and , cu. ft. per 2 sure, lbs. per 2516 2894 3116 3151 4772 4921 5350 5472 5476 7243	(2 SFF); (21;7504) (21;7504) (21;7504) (21;7504) (31;7504) (41;750	Spotted08(3 SP ter,IR 4  feet t  feet t  feet t  feet t  2  cours was - dediment.  7,554,000  2280 esg. FORM  TOTAL FEET  2429  87  378  222  35  1521  149  129  122  1004  767	Quantity  500 gal K F);7460-66 7-3 BPM.M  OOLS USEI 0 7729 0 DATES Put t bar  Gallor  EMPLOYEE  IATION RE  Tan t Ojo A Kirtl grn Fruit coal Pictu vari Lewis Clift Mened Galla glan Green	Date  CL, BD 18  5,73718  Ax. nr 38  D feet, and o producing the set of fluits and forms.  CORD  CO	oo#, Pur o(2 SPI o(2 SPI o(2 SPI o(3 SPI o(4 S	med ac (); Fra- (); Fra- (); Fra- (); Fra- (); Fra- (); Fra- (); Fra- (); Fra- (); Fra- (); Sine-gri- (); Fine-gri- (); Fine-gri-	id in fice w/59, tr. pr. 5 . feet to f	feet  feet  feet  feet  feet  feet  feet  feet  priller  priller  priller  w/gry sh.  d w/tight gry  ttered coals,  ss.  gra tight,  sil ss.  ense sil ss.  ense sil ss.  enterbed sh.  sh w/thin lms
Idizing: Period Property 17542-48(1) 1000	7670-88(2877);7515-1uch v/7500 alls. ere used from etion for the % water; and , cu. ft. per 2 sure, lbs. per 2516 2894 3116 3151 4772 4921 5350 5472 5476 7243	(2 SFF); (21;7504) (21;7504) (21;7504) (21;7504) (31;7504) (41;750	Spotted08(3 SP ter,IR 4	Quantity  500 gal K F);7460-66 7-3 BPM.M  OOLS USEI 0 7729 0 DATES Put t bar  Gallor  EMPLOYEE  IATION RE  Tan t Ojo A Kirtl grn Fruit coal Pictu vari Lewis Cliffi Menei Galla glan Green Green W/gr	Date  CL, BD 18  5;7371-8  ax or 38  D feet, and o producing the feet, and o gry critical forms.  CCORD  CC	oo#, Pur o(2 SPI o(2 SPI o(2 SPI o(2 SPI o(3 SPI o(4 SPI o(4 SPI o(4 SPI o(5 S	med ac P. Francisch ich 36. 00 cu. ft 3 MCF/L EMATION s inter cr-gri sh inter carb s cht, finer sh inter carb s cht, finer fine-gri fine-gri cry, sks. arb sh. y to br gry sh.	id in fice w/59, trope 5, feet to feet	d 2300#  704 gal water  601-3800, 4  feet  feet  feet  , 19  oil:
Idizing: Period 17542-48(: 17542	7670-88(2877);7515-1uch v/7500 alls. ere used from etion for the % water; and , cu. ft. per 2 sure, lbs. per 2516 2894 3116 3151 4772 4921 5350 5472 5476 7243	(2 SFF); (21;7504) (21;7504) (21;7504) (21;7504) (31;7504) (41;750	Spotted08(3 SP ter,IR 4  feet t  feet t  feet t  feet t  2  cours was - dediment.  7,554,000  2280 esg. FORM  TOTAL FEET  2429  87  378  222  35  1521  149  129  122  1004  767	Quantity  500 gal K F); 7160 66 7-3 BPM.M  OOLS USEI 0 7729 0 DATES Put t bar  Callor  CMPLOYEE  IATION RE  IATION RE  IATION RE  IATION Fruit coal Pictur vari Lewis Cliffi Menei Foint W/fr Mance Galla glac Green W/galla Green Green W/galla Callor Dako	Date  CL, BD 18  5,7371-8  ax or 38  D feet, and o producing the feet, and forms and forms.  CORD  COR	oo#, Pur o(2 SPI o(2 SPI o(2 SPI o(2 SPI o(3 SPI o(4 SPI o(4 SPI o(5 S	med ac P. Francisch ich 36. 3 MCF/L BMATION s inter cr-gri sh inter carb is cht, fine-gri sh. Gri is. Gry, iks. arb sh. y to br gry sh. dk gry sh.	id in fice w/59, trope 5, feet to feet	d 2300#  704 gal water  601-3800, 4  feet  feet  feet  , 19  oil:
idizing: Perinf 7542 43 (2) 1000	7670-88(2877);7515-1uch v/7500 alls. ere used from etion for the % water; and , cu. ft. per 2 sure, lbs. per 2516 2894 3116 3151 4772 4921 5350 5472 5476 7243 7300 7428	(2 SFF); (21;7504) (21;7504) (21;7504) (21;7504) (31;7504) (41;750	Spotted08(3 SP ter,IR 4 -08(3 SP ter,IR 4 -08(3 SP ter,IR 4 -08(3 SP Tell feet t -08(3	Quantity  500 gal K F);7460-66 7-3 BPM.M  OOLS USEI 60 7729 60 DATES Put to bar  Gallon  CMPLOYEE  IATION RE  IATION RE	Date  CL, BD 18  5,7371-8  ax or 38  D feet, and o producing the feet, and forms and forms.  CORD  COR	oo#, Pur o(2 SP) o(2 SP) oo#, BD) d from d from d from d from solid of wh avity, "F per 1,0 Fo) r-grn s . White m. Gry ry, tig ffs for soft s Gry, fi ss. Gry, t form sh bres Gry ce Lt gr; fine g rm, Dk . Lt to prite	med ac P. Francisch ich 36. 3 MCF/L BMATION s inter cr-gri sh inter carb is cht, fine-gri sh. Gri is. Gry, iks. arb sh. y to br gry sh. dk gry sh.	id in fice w/59, trope 5, feet to feet	feet  feet  feet  feet  feet  feet  feet  feet  priller  priller  priller  w/gry sh.  d w/tight gry  ttered coals,  ss.  grn m tight,  sal ss.  ense sil ss.  ense sil ss.  ense sil ss.  enterbed sh.  sh w/thin lms

## FORMATION RECORD—Continued

FROM—	то	TOTAL FEET	FORMATION
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## HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.