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

STATE OF HEW HERICO ENERGY AND MINERALS DEPARTMENT

DMINIS	TRATIVE	ORDER
NFL	125	

INFILL DRILLING FINDINGS AND WELL-SPACING WAIVER

MADE 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

1.								•	
Operator_	Zia Energ	y, Inc.			_ Well Name	e and No	Toby W	ell No. 2	
Location:	Unit <u>H</u>	Sec	<u>13</u> Twp.	248	Rng. 36E	Cty	Lea	· · · · · · ·	
II.						,	•		
THE DIVISI	ON FINDS:							:	•
promulgate well to qu find, prio efficientl	ed pursuant nalify as a or to the co y drain a p y any exist:	to the N new onsh ommenceme oortion o	atural G ore prod nt of dr f the re	as Polic uction w illing, servoir	y Act of 19 cell under 9 that the we covered by	978 provide Section 103 ell is nece	s that, in of said Adssary to end	erim Regulati order for an ct, the Divis ffectively an nich cannot b isting well-s	infill sion must ad
procedure	by Order Nowhereby the and find the	e Divisio	n Direct	or and t	he Divisio	Division es n Examiners	tablished are empower	an administra ered to act i	ative for the
(3) That								anglie Matt	ix
		_					pool is		acre
							E/4 NE/4		
	13, 1WE							applicant	's Toby
			-						•
(5) That previously	this prorat approved b	oy Order	is (X)	standar NA	d () nons	standard; i	f nonstanda	ard, said uni	t was
(6) That well(s) on	said prorat the unit.	ion unit	is not	being ef	fectively a	and efficie	ntly draine	ed by the exi	sting
the produc	the drillir tion of an be recovere	addition	mpletion al 90	of the to	well for wh MCF of ga	ich a find is from the	ing is soug proration	ht should re unit which w	sult in ould not
for which a	a finding i	s sought	is neces	ssary to	effectivel	y and effic	ciently dra	nd that the vin a portion isting well v	of the
								on unit, the equirements	
IT IS THER	EFORE ORDER	ED:							
infill well for infill and is nec	l on the ex drilling g essary to p	risting programmed by permit the	roration / this or drainage	unit des rder is a ge of a p	scribed in an exceptio portion of	Section II n to applic the reserve	(4) above. cable well	ection I abor The authori spacing requ by said pro- thereon.	zation irements
	jurisdictio ay doem neo		s cause :	is retain	ned for the	entry of	such furthe	r orders as	the
DONE at Sa	nta Fe, New	Mexico,	on this	14th				, 19 <u>86</u> .	
					1/1	titlet,	1,4,00		
					,			Mro . Z	

cc: NMOCD Hobbs
NMO&GEC - Hobbs

STATE OF NEW MEXICO
ERGY AND MINERALS DEPARTMENT

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

Reviewed 5/20/85 Release Amediately

ADMINISTRATIVE ORDER
NFL /2 S

INFILL DRILLING FINDINGS AND WELL-SPACING WAIVER
MADE 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

Operator Zia Energy, Inc. Well Name and No. 10by Well Vo. 2	
Location: Unit H Sec. 13 Twp. 24 South Rng. 36 Fast Cty. Lea	
II.	
THE DIVISION FINDS:	
(1) That Section 271.305(b) of the Federal Energy Regulatory Commission Interim Regulations promulgated pursuant to the Natural Gas Policy Act of 1978 provides that, in order for an infill well to qualify as a new onshore production well under Section 103 of said Act, the Division mus find, prior to the commencement of drilling, that the 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, and must grant a waiver of existing well-spacing requirements.	
(2) That by Order No. R-6013, dated June 7, 1979, 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 to be completed in the <u>Langlie Mattix</u> Pool, and the standard spacing unit in said pool is 40 acr	 es
(4) That a 40 -acre proration unit comprising the 5E/4 NE/4	
of Sec. 13 , Twp. 24 South , Rng. 36 East , is currently dedicated to the opplicant's Toky Well No. 1 located in Unit H of said section.	
(5) That this proration unit is () standard () nonstandard; if nonstandard, said unit was previously approved by Order No	
(6) That said proration unit is not being effectively and efficiently drained by the existing well(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 90,000 MCF of gas from the proration unit which would no otherwise be recovered.	t
(8) That all the requirements of Order No. R-6013 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 as an exception to the standard well spacing requirements for the pool.	t
IT IS THEREFORE ORDERED:	
(1) That the applicant is hereby authorized to drill the well described in Section I above as a infill well on the existing proration unit described in Section II(4) above. The authorization for infill drilling granted by this order is an exception to applicable well spacing requirement and 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 any existing well thereon.	
(2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.	
DONE at Santa Fe, New Mexico, on thisday of, 19	
C.C NMOCA Hobbs DIVISION DIRECTOR EXAMINER	
DIVISION DIRECTOR EXAMINER	



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO P. O. BOX 2088 - SANTA FE

87501

GOVERNOR
BRUCE KING
CHAIRMAN

LAND COMMISSIONER
ALEX J. ARMIJO
MEMBER

STATE GEOLOGIST A. L. PORTER, JR. SECRETARY – DIRECTOR



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

> Re: Section 103 Price Determination For the Zia Energy, Inc. Toby No. 2 well under Section 271.305 (b) (1) of NGPA of 1978 Regulations

Gentlemen:

Enclosed is a complete application for Section 103 Natural Gas Price determination for the Toby No. 2 well located in the SE/4-NE/4, Section 13, T24S, R36E, under NGPA of 1978 regulations Section 271.305 (b) (1) - New Onshore Production Well - an infill well on a proration unit which was in existence at the time the surface drilling of the Toby No. 2 was begun.

All of the attachments have been included as required on the OCD Form C-132 and by OCD Rule 18 along with additional information as required in OCD Order No. R-6013-A. Order No. R-6013-A Rule nos. 1 through 11 requested several items be furnished with the application. A copy of OCD Form Nos. C-101 and C-102 have been included. The name of the pool is the Langlie Mattix Queen, Seven Rivers which has a standard 40 acre spacing unit. Rule No. 8 requires a description of all wells drilled on the proration unit.. A copy of the OCD Form C-105 (Well Record) for each of the wells is included. The current rate of production for the Toby No. 1 is 5 BOPD, 305 BWPD and 160 MCF/day. The production rate for the Toby No. 2 is 25 BOPD, 45 BWPD and 50 MCF/day. In order to supply the information requested in Rule 8 (g), a plat of the SE/4 - NE/4 Sec. 13 has been included with this 40 acre tract highlighted in yellow. From this plat you will notice that two injection wells in the Texaco Cooper Jal Unit offset this tract. They are wells nos. 104 and 233. The waterflood sweep pattern from these two wells can only push approximately 25% of this tract into the Toby No. 1. The remaining 75% is on beyond the Toby No. 1 well but much of this 75% can be recovered by the Toby No. 2 well. Because of the location of the Toby No. 1, well, it alone cannot effectively and efficiently drain all of this proration unit, thereby resulting in waste. Toby No. 2 is needed to effectively and efficiently drain this proration unit and to protect correlative rights.

Rule 9 requests geological and engineering information to support a finding as to the necessity for an infill well. From the enclose Borehole Compensated Neutron/ Density Porosity Log you will note that zones in the Queen formation has been perforated with 39' having 10% porosity or greater. Based on this log and a current producing rate of 25 BOPD, it is estimated that an additional 45,000 barrels of oil will be recovered due to the infill Toby No. 2 well. Also, as already noted on the plat, two injection wells will be more effective in sweeping oil in-place on this tract to the Toby No. 2 than to the Toby No. 1. A bottom hole pressure test run on the Toby No. 2 well indicated 689 psi BHP. This is an indication that this reservoir has received an increase in resevoir pressure due to the water injection, but this area could never be drained by the Toby No. 1.

Rule 11 concerns notification of offset operators to this proration unit. The two offset operators are ARCO Oil and Gas Company and Texaco, Inc. Copies of this application have been mailed to each of them by certified mail. A copy of the mailing receipt is enclosed.

From this information it is our opinion that the infill Toby No. 2 well is in fact necessary to effectively and efficiently drain the SE/4 - NE/4 Sec. 13 and protect correlative rights of the royalty owners and working interests in this lease. We have no information or knowledge that is contrary to this opinion.

If you need any additional information, please call on us.

Yours truly,

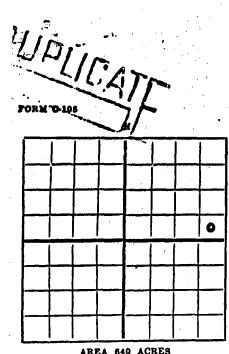
Farris Nelson

50,000 CF/Aug/25 100 PD * 45000/100 = 90,000 MCF

LOGGING

NEUTRON / DENSITY POROSITY LOG

								·	
FILE NO.	COMPAN	Y _ZL	ENERGY	IN	CORPORA	ATED			
API NO.	WELL	TOE	Y NO.2					,	
	AAELL	102	I NO.L	-			the second second		
	FIELD	LAN	GLIE M	IE MATTIX					
	COUNTY LEA STATE NEW MEXIC							0	
	LOCATION:	990	FEL 8	16.	50' FNI	•	Other Ser	vices	
	SEC13	·	WP	-S	_RGE_3	86-E			
Permanent Datum	G.L.			lev.	NA		Elev. KB NA		
Log Measured from	K.B.	•	-		Permane		37.4		
Drilling Measured from	К.В.						GL NA		
Date	2-11-85						Ţ		
Run No.	ONE						 		
Service Order	48796						 		
DepthDriller	3800	- -					<u> </u>		
Depth-Logger	3796'	- -					1		
Bottom Logged Interval	3794 '	<u> </u>							
Top Logged Interval	SURFACE						†		
Casing-Driller	8 5/8" @37	91	@			@	@	,	
.Casing—Logger	3901						 		
Bit Size	7 7/8"						†		
Type Fluid in Hole	SW GEL/STA	RCH		-					
Density and Viscosity	10.2 3					T	T		
pH and Fluid Loss	7 1	8 cc	<u> </u>	cc		CC		cc	
Source of Sample	PIT								
Rm @ Mess. Temp.	.08 @ 57	۰F	. @	۰F	(9 °F	@	•F	
Rmf @ Meas. Temp.	.079 @ 57	۰F	@	°F	() • F	@	•F	
Rmc @ Meas. Temp.	* @	•F	@	۰F	(9 •F	@	•F	
Source of Rmf and Rmc	MEAS		T			I	1		
. Rm @ 8HT	.05 @ 91	•F	@	۰F	(9 • F	@	•F	
Time Since Circ.	34 HRS.	7				· · · · ·			
Mex. Rec. Temp. Deg. F.	91	•F		۰F		• • F		•F	
Equip. No. and Location	L065 8. A	NGELO				1			
Recorded By	D. POULSEN								
⊅Aitnessed By	MR. FERRIS		N						



AREA 640 ACRES LOCATE WELL CORRECTLY NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

WELL RECORD

Mail to Oil Conservation Commission, Sants Pe, New Mexico, 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 (?). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED UNTIL FORM C-105 IS PROPERLY FILLED OUT.

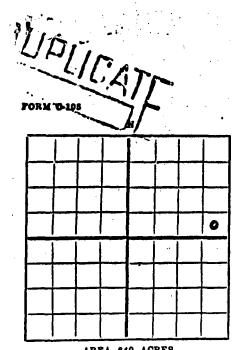
0	11 Well	Romodial	Service			P. O. Box	<u> 511 - 0</u>	iosso, Te	725	
***********	Toby	Company or	Well No.	1	in SE/	4 of IE/401	Add Sec13	iress	T. 24.8	
		N. M. P. M.				d,et west of the E				aty.
						er west of the E	,		,	
		_								
			•			•		•		
	•	•				***************************************				
Drilling	commenced	7-19-	<u>50</u>	19	Drill	ing was comple	ted	9-21-50	19	*****
Name of	drilling con	tractorO	11 Well	Remedia	l Service		Address	Box 511	- Odossa, Te	, Tipe
Elevation	above sea	level at top	of casing	3001	feet.	•				
The info	rmation give	en is to be ke	pt confide	ntial until	Not Con	fidential		19		
	•			OIL	SANDS OR	ZONES		•		
No. 1, fr	om 349	99	to	3502	No.	4, from 3	599	ta	3604	•••••
No. 2, fr	om3.	533	to	3537	No.	5, from3	608	to	3611	****
No. 3, 1re	om35	<u> 58</u>	to	3572	No.	6, from		to	•	
				IMPOR:	TANT WATI	ER SANDS	•			
Include d	ata on rate	of water infl	ow and ele	vation to w	hich water r	ose in hole.				
No. 1, fro	DED	Rope	4000 AT 1000 AT 100 AT 100	.to		1ec	£		*******************	**************************************
No. 2, fro	om			.to		fe	£	*****	****	, , , , , , , , , , , , , , , , , , ,
No. 3, fro	om			_to		1ec	t		P*************************************	*****
No. 4, fro)m	************		.to	·····	1ec	t	***************************************		
·			· ·	C/	ASING RECO	ORD		•		• : - '
SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	THUOKA	KIND OF SHOE	CUT & FILLED		ORATED	PURPOSE	=3
8 5/8		PER INCH	SII	209	Guide	- MUM	FROM	TU		 '
52.	15.5	8	llow	3450	Float					-
										·
	7		,	1				1	· · · · · · · · · · · · · · · · · · ·	

MUDDING AND CEMENTING RECORD

HOFE.	CASING	WHERE SET	NO. RACKR OF CEMENT	METHODS USED	MUD GE	LAVITY	AMOUNT OF MUD USED
130	8 5/8	229	700	Halliburton			· · · · · · · · · · · · · · · · · · ·
8=	51	3450	200	Halliburton	100 sax	at shoe - 1	00 sax at 2 stage
					200 20 1	2,0	
!			<u> </u>	PLUGS AND ADAP	TEDE		
ITanulma	nlug Mo	tarial		_ ,	·	Donth (3et
_	•						
nuapiers	MBCI	: .		HOOTING OR CHE	•	•	1
BIZE	SHEL	L USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT	DEPTH CLEANED OUT
40			SNG	312	9-17-50	3490-3615	
4 "			- Dild	عدر ا	19-17-50	<u> </u>	TD - 3615
	-				'		
f drill-st	em or othe	er special tests	or deviation surv	eys were made, subn	nit report on a	separate sheet a	nd attach hereto.
cotary to cable too but to produce the produce to calculate the calculate to calculate the calculate to calculate the calculate to calculate the calculate th	ols were used to the series of	sed from	l'alliburton O- feet feet feet urs was 15	tool used - ga TOOLS USED tofee tofee PRODUCTION19	et, and from	show of oil	eet tofee
cotary to cable too but to produce the produced mulsion;	ols were used to the series of	sed fromsed from	lialliburton O feet feet feet and	tool used - ga TOOLS USED to TD fee to fee PRODUCTION 19 barrels of the sediment. Gravit	et, and from et, and from of fluid of whi	show of oil	eet tofee set tofee 6 was oil;%
cotary to cable too but to produce the produce mulsion;	ols were used to be considered to be con	sed fromsed from	lialliburton O feet feet feet and	tool used - ga TOOLS USED tofee tofee PRODUCTION19	et, and from et, and from of fluid of whi	show of oil	eet tofee set tofee 6 was oil;%
cotary to cable too but to produce the produce mulsion;	ols were used to be considered to be con	sed fromsed from	lialliburton O feet feet feet and	tool used - ga TOOLS USED to TD fee to fee PRODUCTION 19 barrels of % sediment. Gravit Gallons	et, and from et, and from of fluid of whi	show of oil	eet tofee set tofee 6 was oil;%
cook pres	ols were used to be successful. Some state of the successful constant of th	sed fromsed from	lialliburton O feet feet feet and	tool used - ga TOOLS USED to TD fee to fee PRODUCTION	et, and from et, and from of fluid of which y, Be	ch 100 9	eet tofee eet tofee 6 was oil;%
cock pres	ols were used to be successful.	sed fromsed from	lialliburton O feet feet feet and	tool used - ga TOOLS USED to TD fee to fee PRODUCTION 19 barrels of gallons EMPLOYEES Driller C	et, and from et, and from of fluid of whi	ch 100 9	eet toee bet toee was oil;% Driller
cock pres	ols were used to be successful. Some state of the successful constant of th	sed fromsed from	lialliburton O feet feet surs was 15 and	tool used - ga TOOLS USED to TD	et, and from et, and from of fluid of whi y, Be gasoline per 1	100 g	eet tofee eet tofee 6 was oil;%
cotary to cable too rut to produce mulsion; gas well-cock press	ols were used to be sure, lbs. We Blee Do Elso	sed from 10-1-50 the first 24 ho water; er 24 hours per sq. in okledge	lialliburton O- feet feet feet and FORMATI	tool used - ga TOOLS USED to TD fee to fee PRODUCTION 19 barrels of Sediment. Gravit Gallons EMPLOYEES Driller C ON RECORD ON C	et, and from et, a	ch 100 g	eet toee bet toee bet toee bet toee briller Driller
cock pres	ols were used to be sure, lbs. We Bleed wear or as	sed fromsed from	lialliburton O- feet feet feet and FORMATI	tool used - ga TOOLS USED to TD	et, and from et, a	ch 100 g	eet toee bet toee was oil;% Driller
cotary to cable too rut to produce the produce mulsion; gas well cock pression and the cock pression are as so far as	ols were used to be sure, lbs. We Blee wear or as son be determined to the sure.	sed fromsed from	lialliburton Offeet Geet Jeet Burs was 15 and FORMATI information gives m available recon	tool used - ga TOOLS USED to TD	et, and from et, a	ch 100 9 1,000 cu. ft. of gr	eet to fee was oil; % Driller Driller well and all work done on
cotary to cable too rut to produce the produce mulsion; gas well cock pressor of the c	ols were used to be sure, lbs. We Blee wear or as son be determined to the sure.	sed from 10-1-50 the first 24 ho water; er 24 hours per sq. in kledge firm that the letermined from	lialliburton Offeet Geet Jeet Burs was 15 and FORMATI information gives m available recon	tool used - ga TOOLS USED to TD	et, and from et, a	ch 100 9 1,000 cu. ft. of gr	eet toeet toeet to
cotary to cable too rut to produce the produce mulsion; gas well cock pression and the cock pression are as so far as	ols were used to be sure, lbs. We Black Wear or as seen be disand swon	sed from 10-1-50 the first 24 ho water; er 24 hours per sq. in kledge firm that the letermined from	lialliburton Offeet Geet Jeet Burs was 15 and FORMATI information gives m available recon	TOOLS USED PRODUCTION PRODUCTION Darrels of the control of the con	et, and from et, and from et, and from of fluid of whi y, Be gasoline per 1 THER SIDE	ch 100 %	eet to fee was oil; % Driller Driller well and all work done on

FORMATION RECORD

		i THIOKNEUS	
FROM	70	IN PEET	PORMATION
• 0	240	240	Red Bed
240	550	310	Sandy shale Red and blue shale with sand and red bed streaks
550 1165	1165	615 107	Anhydrito
1272	2765	1493	Salt with anhydrite streaks
2765	28/50	. 95	Anhydrite and gyp
2360	2920	120	Brown line
2980	3499	519	Line with sandy line, anhydrite, shale streaks Sand
3499 3502	3502 3533	3 31	iine
3533	3537	4	Sandy lime
3537	3568	31	Line.
3568	3572	27	Sand Line
3572 3599	3599 3604	21	Sandy Line
3604	3603	1 4	Line
3608	3611	3	Sand :
3611	3615	4	Line
3 615 TD			
			the thirty of the second of th
		1 ' '	
			and the control of th
			and the second of the second o
		188 May 1	vigorous in the control of the state of the control of the state of the control of the state of the control of
	→ 2.11, 1, € 1, 1, 1	2/30 No. 10 10 10	[1] "我们就是一个时间,我们就是这个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一
			The state of the s
			The William Community of which is the contract the contract to the contract the con
		1. 1. 1. 1.1.	I was a second of the first of the second of
		Act.	Less parameters of the control of th
			I was the first of the contract of the state
		•	
	•		
		,	
1			
l .	1	1	



AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

WELL RECORD

Mail to Oil Conservation Commission, Santa Pe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Begulations 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.

01	1 Rell	Romedial Company or	Service		***************	P. O. Box	<u> 511 - 0</u>	iosso, Te	73.
	Toby		Well No.	1	in SE/	4 of IE/401	Sec13		r 24 8
		n, M. P. M.,	Langli	e lattiz	Field	d,	Lea	************************	County
									1.13
						gnment No			•
If patente	d land the	owner isF	otler I	leir (Sur	face)	***************************************	Address	Hal, Hen	liexico
lf Govern	ment land	the permitte	ai s	· · · · · · · · · · · · · · · · · · ·			Address		
						······································			
Drilling c	ommenced	7-19-	50	19	Drill	ing was comple	ted	9-21-50	19
Name of d	lrilling con	tractorO	il Well	Remedia	l Service)	Address	Box 511 -	Odossa, Tex
Elevation (above sea l	level at top o	f casing	3001	feet.	•			
The inform	nation give	n is to be ke	pt confide	ntial untii	Not Con	fidential	·	.19	
		•	`,						ng ing
	3/0	99	4.0	=	SANDS OR	4, from	500	A =	3604
No. 1, from						5. from			
No. 2, from						•			
No. 3, frot	n	20	00	2212	No.	6, from	·····	6	
				IMPOR'	TANT WATI	ER SANDS			
nclude dat	ta on rate	of water infl	ow and ele	vation to w	hich water r	ose in hole.			
lo. 1, fron	n	None	PR 90 20 00 00 10 10 10 10 10 10 10 10 10 10 10	.to		fe	et		************************
lo. 2, from	a	******************************		to		fe	et	************	****************************
No. 3, fron	a	1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.to	-	1e	e t.		
io. 4, fron	4			.to		fe	et		
	•	·		CA	SING RECO	OR D		•	
	WEIGHT	THREADS	WARR	AMOUNT	KIND OF	OUT & FILLED	PERF	ORATED	PURPOSE.
	PER POOT	PER INCH	MAKE		SHOE	FROM	FROM	TU	PURPOSE
8 5/8	23	8	SII	209	Guide				
54	15.5	8	llon	3450	Float	<u></u>	<u> </u>	 	
		•		<u> </u>				 	

MUDDING AND CEMENTING RECORD

BIZE OF		WHERE SET	NO. RACKR OF CEMENT	METHODS USED	MUD OR	YTIVAL	AMOUNT OF MUD USED
13.	8 5/8	289	.200	Halliburton			
8.	51	3450	200	Halliburton	100 sax	nt shoe - 10	O sex at 2 stage
					sot at 1	270	
					l		
				PLUGS AND ADAI	TERS		
Heaving	nlugMs	terial		Length	, L	Depth 8	et
					•		
Adapters	- Mater	181		******************************	O186	**************************************	
,			RECORD OF S	HOOTING OR CHE	MICAL TREA	TMENT	
BIZE	SHEL	L USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
49			SIIG	312	9-17-50	3490-3615	MD - 2675
<u> </u>			-114	مكندر	12-11-20	2470-2013	TD - 3615
	-}		t .	· · · · · · · · · · · · · · · · · · ·	-} }		
					<u> </u>		
							on - tested 10 da
flows	approxi	mately 15	barrells of	oil per 24 hou	ırs		, r
							,
		*********					***************************************
•		• • • •		DRILL-STEM AND			•
If drill-st	em or othe	er special tests	or deviation sur	veys were made, sub	mit report on a	separate sheet ar	nd attach hereto.
ST at	3148 in	yates -	Halliburton	tool used - go	as and no s	show of oil	
		_	<u>.</u>	TOOLS USED			
Rotary to	ols were u	sed from	feet	tofe	et, and from	fe	et toseet
Cable too	ls were u	sed from	feet	tofe	et, and from	1e	et tofeel
	. •	•	•	PRODUCTION			
Du4 4a mu	 Advadana	10-1-50	***************************************	, 19			
Put to pr	oducing			•		100	
							was oil;%
mulsion;	****	% water;	and	% sediment. Gravi	y, Be	57	
				Gallons			8
Rock pres	sure. lbs.	per sq. in			•		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,						
•	W 113-	als] adas		EMPLOYEES	•		
*******	W. Bla		************************************	Driller	. I. Brown		Driller
J.	D. Ela	<u> </u>	,	Driller			Driller
		÷	FORMAT	ON RECORD ON	OTHER SIDE		
		mi Al-aA Al-a				·	
-					piete and corre	ct record of the t	vell and all work done on
t so far a	s can be d	letermined fro	m available reco	rds.	· · · · · · · · · · · · · · · · · · ·		
		4	9th	•	Odesso, Te	1501.6	10-9-50
oudscrided	and swo	rn to before m	e unis	,	//_ </td <td>lace</td> <td>Date</td>	lace	Date
lay of	Octob	er _		19.50 Name	4X/	where	
)	AX	700		7 1/1	ng Partner	
	imee	/ Let	// Jevel	Posit			A
Eato	. Count	y - Toxas	Notary P	iblic Repr	esenting.Oil.		ol Service
		6-1-5	1		Boy 51	l = Odossa.	r Operator Texas
av Comm	lssion expi	res		Addr	ess		

FORMATION RECORD

FROM	70	THIOKNESS IN PEET	FORMATION
0	240	240	Red Bed
240	550	310	Sandy shale
550	1165	615	Red and blue shale with sand and red bed streak
1165	1272	107	Anhydrito
1272	2765	1493	Salt with anhydrite streaks
2765	28/50	. 95	Anhydrite and gyp
2360	2920	120	Brown line
2980	3499	519	Lime with sandy lime, anhydrite, shale streaks
3499	3502	3	Sand
3502	3533	3 31	Line
3533	3537	4 31	Sandy line
3537	3568	31	Line.
3568	3572	4	Sand
3572	3599	27	Lime
<i>35</i> 99	3604	- 5	Sandy Lime
3604	3603	4	Line
3608	3611	3	Sand .
3611	3615	4	Line
3 615 TD		••	The state of the s
		• • • • • • • • • • • • • • • • • • • •	The committee of the contraction of the commence were as a part of the contraction of the
			management of the second of th
•			
. ••		r e e a a a a a a a a a a a a a a a a a	
		ng Swittenson	
the grant such	-		
			A second
		•	
		· · · · · · · · · · · · · · · · · · ·	The House term in the state of
•			
			Provide the second by the second and the second by the second of the sec
		ect.	A STATE OF THE PROPERTY OF THE STATE OF THE
• •			The second of a second of the
•		,	
· /			The second secon
		•	
•			
•			
		·	
	1 1 1 1 1 1		
		·	



May 17, 1985

ARCO Oil and Gas Company P.O. Box 1710 Hobbs, NM 88240

Re: Application for NGPA of 1978 Section 103
Gas Price Determination For Toby No. 2 well.

Gentlemen:

Enclosed is a complete copy of our application to the Department of Energy and Minerals, Oil Conservation Division, as jurisdictional agency, requesting that our Toby No. 2 well receive Section 103 price for gas production.

You should note that ARCO has a .10937 overriging royalty on all oil production and .25000 overriging royalty on all gas production.

You are being supplied a copy of this application because you are an offset operator. If you have any questions, please call on us.

Yours truly,

Farris Nelson

Parris Belson



May 17, 1985

Texaco, Inc. P.O. Box 730 Hobbs. NM 88240

Re: Application for NGPA of 1978 Section 103
Gas Price Determination For Toby No. 2 well.

Gentlemen:

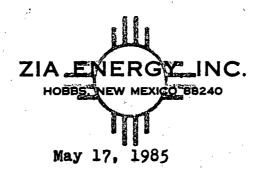
Enclosed is a complete copy of our application to the Department of Energy and Minerals, Oil Conservation Division, a jurisdictional agency, requesting that our Toby No. 2 well receive Section 103 price for gas production.

You are being supplied a copy of this application because you are an offset operator. If you have any questions, please call on us.

Yours truly,

Farris Belson

Farris Nelson



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

> Re: Section 103 Price Determination For the Zia Energy, Inc. Toby No. 2 well under Section 271.305 (b) (1) of NGPA of 1978 Regulations

Gentlemen:

Enclosed is a complete application for Section 103 Natural Gas Price determination for the Toby No. 2 well located in the SE/4-NE/4, Section 13, T24S, R36E, under NGPA of 1978 regulations Section 271.305 (b) (1) - New Onshore Production Well - an infill well on a proration unit which was in existence at the time the surface drilling of the Toby No. 2 was begun.

All of the attachments have been included as required on the OCD Form C-132 and by OCD Rule 18 along with additional information as required in OCD Order No. R-6013-A. Order No. R-6013-A Rule nos. 1 through 11 requested several items be furnished with the application. A copy of OCD Form Nos. C-101 and C-102 have been included. The name of the pool is the Langlie Mattix Queen, Seven Rivers which has a standard 40 acre spacing unit. Rule No. 8 requires a description of all wells drilled on the proration unit.. A copy of the OCD Form C-105 (Well Record) for each of the wells is included. The current rate of production for the Toby No. 1 is 5 BOPD, 305 BWPD and 160 MCF/day. The production rate for the Toby No. 2 is 25 BOPD, 45 BWPD and 50 MCF/day. In order to supply the information requested in Rule 8 (g), a plat of the SE/4 - NE/4 Sec. 13 has been included with this 40 acre tract highlighted in yellow. From this plat you will notice that two injection wells in the Texaco Cooper Jal Unit offset this tract. They are wells nos. 104 and 233. The waterflood sweep pattern from these two wells can only push approximately 25% of this tract into the Toby No. 1. The remaining 75% is on beyond the Toby No. 1 well but much of this 75% can be recovered by the Toby No. 2 well. Because of the location of the Toby No. 1, well, it alone cannot effectively and efficiently drain all of this proration unit, thereby resulting in waste. Toby No. 2 is needed to effectively and efficiently drain this proration unit and to protect correlative rights.

Rule 9 requests geological and engineering information to support a finding as to the necessity for an infill well. From the enclose Borehole Compensated Neutron/ Density Porosity Log you will note that zones in the Queen formation has been perforated with 39' having 10% porosity or greater. Based on this log and a current producing rate of 25 BOPD, it is estimated that an additional 45,000 barrels of oil will be recovered due to the infill Toby No. 2 well. Also, as already noted on the plat, two injection wells will be more effective in sweeping oil in-place on this tract to the Toby No. 2 than to the Toby No. 1. A bottom hole pressure test run on the Toby No. 2 well indicated 689 psi BHP. This is an indication that this reservoir has received an increase in resevoir pressure due to the water injection, but this area could never be drained by the Toby No. 1.

Rule 11 concerns notification of offset operators to this proration unit. The two offset operators are ARCO Oil and Gas Company and Texaco, Inc. Copies of this application have been mailed to each of them by certified mail. A copy of the mailing receipt is enclosed.

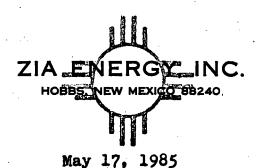
From this information it is our opinion that the infill Toby No. 2 well is in fact necessary to effectively and efficiently drain the SE/4 - NE/4 Sec. 13 and protect correlative rights of the royalty owners and working interests in this lease. We have no information or knowledge that is contrary to this opinion.

If you need any additional information, please call on us.

Yours truly,

Farris Nelson

Farris nelson



ARCO Oil and Gas Company P.O. Box 1710 Hobbs, NM 88240

Re: Application for NGPA of 1978 Section 103
Gas Price Determination For Toby No. 2 well.

Gentlemen:

Enclosed is a complete copy of our application to the Department of Energy and Minerals, Oil Conservation Division, as jurisdictional agency, requesting that our Toby No. 2 well receive Section 103 price for gas production.

You should note that ARCO has a .10937 overriging royalty on all oil production and .25000 overriging royalty on all gas production.

You are being supplied a copy of this application because you are an offset operator. If you have any questions, please call on us.

Yours truly,

Farris Nelson

1.

Farris Belson



May 17, 1985

Texaco, Inc. P.O. Box 730 Hobbs, NM 88240

Re: Application for NGPA of 1978 Section 103
Gas Price Determination For Toby No. 2 well.

Gentlemen:

Enclosed is a complete copy of our application to the Department of Energy and Minerals, Oil Conservation Division, a jurisdictional agency, requesting that our Toby No. 2 well receive Section 103 price for gas production.

You are being supplied a copy of this application because you are an offset operator. If you have any questions, please call on us.

Yours truly,

Farris Helson

Farris Nelson

·					
Amoco	Sun		Par m	noco Ai	203 202
Meyers		•2	O ₃	205	0,
110,7015					35
	02	0, 207	6	• 8 3	212 213
445	Meyers]*	oper Vau	ghn B	leyers
Sun	1 1 Kern Co.		2 Arco	D. Hartman	24 235
1/2	•2	242 👸	Hyers Lang	he Matth Un 🖭	O ₅ •
0	0, 0,	Q3	•5 2	Texaco	247
Geo. Coope		Cooper	G.W. To	— ·	Liberty Roy
Conto	Sun	Sun	Arco	Texaco	Texaco
•5 0		O ₃	•6	Da 301 101	103 • 103
Conoco	Cooper "B" Sun			104 105	145 106
- K ² 0	' i	Meyers	Zia Toby		Jal Unit
	1 4	Texaco	3 Texaco	1 106 103	8 Texaco,,
1 4 O	6 72 Cooper	(D) 100	0 0		•••
	Exxon Sun		715	235 //7	116 119
۶، ۶ Vaughn	S.R. Gooper	1/2 1/3	114 234	Cooper	O • Jal Unit
Weco Dev.	Sun	Texaco 236	Texaco		Hartman 2
•, \$,	61-A 03-A	152 0			•
Gates			•	O ₂₄₂	cities Ser-
Conv	res t	125 203	• • •	128	1 .,
13 Ousi	O' , O'	204	•	• (9) • 208	გ• O₃
phillips	2 3 O ₂ Fred Cooper e Exxon 237 216	208 (30 211 210 (0)	, l) 153 150 ©	L 9 3-4 3
\$4 \$	Exxon 216	2/6 21	136	230 231	0'
Woolworth	Thomas	Coope	r Jal Un	it Cooper	Hartman

• Producing Oil Well

• P & A Well

O Gas Well

• Water Injection Well

#1 Well = Zia Frierry, Inc.

1024 Well No.1

2316 FAX - 736 FEL

Specia 7/19/50

Laying Mattice completion

Communitative Production as of 12/81/84

605 - 235541 MCF.

ZIA ENERGY, INC.

Application For NGPA Sec. 103

Toby No. 2

					Ē.
Amoco /2 Meyers	Sun	Conoco Ar		O' 209 205	000 203 202 0 0 3
	O ₂ Meyers		oper Vaughn	2°0	212 © 213 eyers
Sun 1/2	1 1 Kern Co.	Texace 1	2 Arco 239 240 WN P	D. Hartman 7 Mattix Un Q2 Toby	79xaxo 235 9 O ₅
9 , Coo.	0, 0,	Q3 •4	243 •5	Texaco	247 •
Geo. Coop	Sun Cooper "B"	Cooper Sun O ₃	G.W.1 Toby_Arco	Texaco	Texaco
Conoco	Sun Os	Meyers	Zia Zia Toby	104 105 © Cooper	/45 /06 Jal Unit
1 1 4 1	1 4 D ₆	Texaco	3 Texaco		8 Texaco,,,,,
۶، Vaughn	Exxon Sun	JI2 113	114 234	235 //7	/%
Gates	6, 6,-A •3-A		Texaco	123 Texaco, 34 202 ©	Hartman 2 Cities Ser-
1 1/2	o y, shing	203	•	128 129 147 208	vice o o o o o o o o o o o o o o o o o o o
Phillips	72 Fred Cooper®	130 211	245 (32 245 (213	1 153 150 ©	9 3-4 Ö
## Woolworth	Exxon 237 O Thomas	2/6 2/7 ① 134 Coope	219	Cooper	O' Hartman

- Producing Oil Well
- P & A Well
- O Gas Well
- Water Injection Well

ZIA ENERGY, INC. Application For NGPA Sec. 103 Toby No. 2

r.50		177 新原基金 (1865) 1996 1	1.00					and the second		
NO. OF COPIES RECEIVE	LO L STEP	weent so or .	, .	i dia	outs the fig.		र्वे अपने स्टब्स् । स्टब्स्स्य स्टब्स् इंड्रेजिन स्टब्स् । स्टब्स्	La production and a	Form C-	105 of and attr
DISTRIBUTION	ale - Jastina	i macaimpana (22). Huliani Milan anton (2	* * * * * * * * * * * * * * * * * * * *		marie fartige Der		Alt mat states at 179	is the Endance.	LIAATDAD	11-1-16 to the state of the sta
SANTA FE		NEW				• • • •		************************************	h-indicate	Type of Lease and
FILE	<i>r 1</i>	WELL COMPL							State _	was time or Fee X
u.s.g.s.	772 16 22					,		1324.25	State Oil	& Gas Lense No.
LAND OFFICE		my water \$1.0	MARIE HE	14 31 (7.1	WHO470)	11.6	MILL SORT	ACCUPATION OF THE PARTY OF THE	HELE'S	化气动性 被婚女人
OPERATOR 4	ME21, 22 : 16-	in ruthism.					munu and		mm	mimmi
			14. 1 16.3				ar terret			
TYPE OF WELL	23 344	· · · · · · · · · · · · · · · · · · ·			AND STREET			A second	-Linit Auro	ument Name
the second is the property of the second	August all	on the fact that the same	· 👝 (1997)	رے: ا			Same Hiller Long Fills		1340	Plan Prairie
ingre	HIDOTE I WE	ituXXI wet	محرد لمصاء	-DAY	OTHER				10 d To	
b. TYPE OF COMPLE	TION TO THE STATE OF THE STATE		۰۰۰۰ - ۱	· ·	نجر دار وما الديوان		Fr 114			ouse Hame
WELL A OVE	0 L OEEP			ava.	OTHER					
2. Name of Operator		ومعول بوسيعا وسوا	,	;			i de la companio della companio dell	9,	Well No.	
	ergy, In	c.			2,4 1 11,74	,==,,		Auto bar a	2	and the second
3. Address of Operator			000					10		d Pool, or Wildcat
P.O. B	ox 2219,	Hobbs, N	M 882	40			A FOR THE		Lang!	lie Mattix
4. Locution of Well					•				ידודודו	THITTINI THE
V *	•				•		-			
u		1650 PEET		North			990			
UNIT LETTER	LOCATED	TOJO PEET	FROM THE _	HOL VI	TITLE AND	77	inn		County	<i>millilli</i>
19	3.0	2lia	24-	•			IXIIII	///////	_	
THE East LINE OF	Ec. 13		<u>دد. 36E</u>			777	<i>1111111</i>	//////	Lea	
15. Date Spudded		Reaches 17, Date								Elev. Cashinghead
2/3/85	2/11/		3/15/	85	3	<u> 315</u>	' - RKI	В	<u> </u>)4°GR
20. Total Depth	1	ug Back T.D.		lf Multiple Many	e Compl., Ho	w	23. Intervals	s , flotary T	ools	Cable Tools
3800 '		3775 '	ŀ	Menty			Drilled	÷ 0-38	00 • 1	* * * * * * * * * * * * * * * * * * *
24. Producing Interval(s), of this comple	etion - Top, Botto	m, Name							5. Was Directional Surve
	المجاولات والأراث			•		• w J	$M_{\rm col} = 10$		ું દેવ ∤ે.	Made
3533' - 376	63•	Queen			-				1	No
26. Type Electric and O							· · · · · · · · · · · · · · · · · · ·		127 Wo	s Well Cored
GR - CNL.	•	a1				٠.			1	
GR - UNL	LDD. O	44								
			61110 0566	200 (0			1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			Tamana NO & ASMT
28.		CA			ort all string	s sat				
28. CASING SIZE	WEIGHT LB	CA	HSET	HOL	ESIZE		CEMEN	TING RECOR)	AMOUNT PULLED
28.		CA		HOL		35	CEMEN	TING RECOR)	AMOUNT PULLED
28. CASING SIZE	WEIGHT LB	CA 1./FT. DEPT	93°	ноL 12	E SIZE	35	CEMEN	TING RECORT	ulate	AMOUNT PULLED d 42 s x s t surface
28. CASING SIZE	WEIGHT LB	CA 1./FT. DEPT	HSET	ноL 12	ESIZE	35 75	CEMEN 6 0 8 X 8	ring RECORD Circ	ulate	AMOUNT PULLED d 42 s x s t surface Lite plus
CASING SIZE 8 5/8*	WEIGHT LB	CA 1./FT. DEPT	93°	ноL 12	E SIZE	35 75	CEMEN 6 0 8 X 8	ring RECORD 3 - Circ 3 - Paceso 3 Cl*C*	ulate	AMOUNT PULLED d 42 s x s t surface Lite plus
CASING SIZE 8 5/8*	WEIGHT L8 24# 14#	CA 1./FT. DEPT	93°	ноL 12	E SIZE	35 75	CEMEN 6 0 8 X 8	ring RECORD 3 - Circ 3 - Paceso 3 Cl*C*	ulate	AMOUNT PULLED d 42 s x s t surface Lite plus
28. CASING SIZE 8 5/8** 5½**	WEIGHT L8 24# 14#	CA 1./FT. DEPT 39 380 LINER RECORD	93°	ноL 12 7 7	E SIZE	35 75	CEMEN 0 8 X 8 0 8 X 8 0 8 X 8	TING RECORD 3 - Circ 3 Paces 5 Circ TUB	eulate etter circu	AMOUNT PULLED 1 42 s x s t SURIACE Lite plus 1 ated 98 s x 1 are surface
28. CASING SIZE 8 5/8** 5½** 29. SIZE	WEIGHT L8 24# 14#	CA 1./FT. DEPT 39	93°	ноL 12 7 7	E SIZE	35 75	CEMEN 6 8 X 8 0 8 X 8 0 8 X 8 8 0 8 X 8 8 0 8 X 8 8 0 8 X 8 8 0 8 0	Pacesi CI'C' TUB	oulate etter circu ing RECO	AMOUNT PULLED 1 42 s x s t SURIACE Lite plus Lite plus Lated 98 s x ROPO SURIACE
28. CASING SIZE 8 5/8** 5½**	WEIGHT L8 24# 14#	CA 1./FT. DEPT 39 380 LINER RECORD	93°	ноL 12 7 7	E SIZE	35 75	CEMEN 0 8 X 8 0 8 X 8 0 8 X 8	Pacesi CI'C' TUB	eulate etter circu	AMOUNT PULLED 1 42 s x s t SURIACE Lite plus 1 ated 98 s x 1 are surface
28. CASING SIZE 8 5/8* 5½** 29. SIZE NONE	WEIGHT LB 24#	CA 1./FT. DEPT 39 380 LINER RECORD BOTTOM	93°	ноL 12 7 7	/8# SCREEN	35 35 30	CEMEN 6 8 X 8 0 8 X 8 0 8 X 8 0 8 X 8 0 8 X 8 0 8 X 8 0 8 0	Pacese 3 Pacese 5 Cl"C" TUB DEPTI	etter circuing RECO	AMOUNT PULLED d 42 s x s t surface Lite plus lated 98 s x ROBO SURface PACKER SET NONE
28. CASING SIZE 8 5/8** 5½** 29. SIZE NONE 31. Perforation Record (4)	WEIGHT LB 24# 14# TOP	CA 1./FT. DEPT 39 380 LINER RECORD BOTTOM and number)	H SET 93°	ноL 12 7 7	SCREEN	35 35 30	O S X S O S X S O S X S O S X S O S X S O S X S O S X S O S X S	Pacesis CI"C" TUB DEPTI	etter circu ing RECO 1-SET LO®	AMOUNT PULLED 2d 42 s x s t SUFFACE Lite plus Lated 98 s x PACKER SET NONE EEZE, ETC.
28. CASING SIZE 8 5/8** 5½** 29. SIZE NONE 31. Perforation Record (4)	WEIGHT LB 24# 14# TOP	CA 1./FT. DEPT 39 380 LINER RECORD BOTTOM and number)	H SET 93°	ноL 12 7 7	SCREEN 32. DEPTH	35 35 30 ACIE	CEMENT 0 8 X 8 0 8 X 8 0 8 X 8 30. SIZE 2 3/8** 0, SHOT, FR.	Pacese B Pacese TUB DEPTI 353 ACTURE, CEI	etter circuing RECO	AMOUNT PULLED d 42 s x s t surface Lite plus plated 98 s x ROBO SURFACE PACKER SET NONE
28. CASING SIZE 8 5/8* 5½* 29. SIZE NONE 31. Perforation Record (4) 3533*-37*.3604*-14*.	WEIGHT LB 24# 14# TOP. Interval, size an 3568* -74	380 380 LINER RECORD BOTTOM ad number) 3587 - 9	93° 93° SACKS C	7 7	SCREEN	35 30 30 ACIE	CEMENTO	PACESI B PACESI B CITC TUB DEPTI 352 ACTURE, CEI AMOUNT 2500 gg	etter circuing RECO 1.SET 1.0°	AMOUNT PULLED 10 42 S X S t SUFFACE Lite plus Lated 98 S X PACKER SET NONE DEEZE, ETC. D MATERIAL USED HCL
28. CASING SIZE 8 5/8* 5½* 29. SIZE NONE 31. Perforation Record (4) 3533*-37*.3604*-14*.	WEIGHT LB 24# 14# TOP. Interval, size an 3568* -74	380 380 LINER RECORD BOTTOM ad number) 3587 - 9	93° 93° SACKS C	ноL 12 7 7	SCREEN 32. DEPTH	35 30 30 ACIE	O S X S O S	Pacesis Clare TUB DEPTI ACTURE, CEI AMOUNT 2500 gg	eulate etter circu ing RECO iset LO* AND KING AND AND KING AND	AMOUNT PULLED 142 8 X 8 t 8UTIACE Lite plus 1440 98 8 X 1440 98 8
28. CASING SIZE 8 5/8** 29. SIZE NONE 31. Perforation Record (4) 3533*-37*, 3604*-14*, 3652*-55*.	TOP. National Label	380 380 LINER RECORD BOTTOM 3587 - 9 3641 - 4	93° 93° 90° \$ACKS C	7 7	SCREEN 32. DEPTH 3533	35 30 30 ACIE	CEMENT O S X S O S	TING RECORD TOB PACES TUB DEPTI 35: ACTURE, CEI AMOUNT 2500 ga Frac'us 9# gal	eulate etter circu ing RECO iset LO* AND KING IL 15A sing 8	AMOUNT PULLED 142 S X S t SUTIACE Lite plus 1442 S X S t SUTIACE Lite plus 1442 S X S t SUTIACE 1442 S X S T SUTIA
28. CASING SIZE 8 5/8** 29. SIZE NONE 31. Perforation Record (4) 3533*-37*, 3604*-14*, 3652*-55*.	TOP. National Label	380 380 LINER RECORD BOTTOM ad number) 3587 - 9	93° 93° 90° \$ACKS C	7 7	SCREEN 32. DEPTH 3533	35 30 30 ACIE	O S X S O S	TING RECORD TOB PACES TUB DEPTI 35: ACTURE, CEI AMOUNT 2500 ga Frac'us 9# gal	eulate etter circu ing RECO iset LO* AND KING IL 15A sing 8	AMOUNT PULLED 142 8 X 8 t 8UTIACE Lite plus 1440 98 8 X 1440 98 8
28. CASING SIZE 8 5/8** 29. SIZE NONE 31. Perforation Record (4) 3533*-37*, 3604*-14*, 3652*-55*.	TOP. National Label	380 380 LINER RECORD BOTTOM 3587 - 9 3641 - 4	93° 93° 90° \$ACKS C	7 7	SCREEN 32. DEPTH 3533	35 30 30 ACIE	CEMENT O S X S O S	TING RECORD PACES TUB DEPTI 35: ACTURE, CEI AMOUNT 2500 gs Frac'us 9# gell # of se	eulate etter circu ing RECO inset LO* MENT SOU AND KIN il 15% sing 8 led br und Upp	AMOUNT PULLED 142 S X S t SUTIACE Lite plus 1442 S X S t SUTIACE Lite plus 1442 S X S t SUTIACE 1442 S X S T SUTIA
28. CASING SIZE 8 5/8** 29. SIZE NONE 31. Perforation Record (4) 3533*-37*, 3604*-14*, 3652*-55*.	TOP. Interval, size and 3568' = 74 3626' = 36 3664' = 68 3703' = 08	380 380 LINER RECORD BOTTOM 3587 - 9 3641 - 4	90°, 45°, 34°,	TREMENT	SCREEN 32. DEPTH 3533	35 30 30 ACILINT	CEMENT O S X S O S	TUB PACES TUB DEPTI 35: ACTURE, CEI AMOUNT 2500 gs Frac'us 9# gell # of ss	etter circuing RECO	AMOUNT PULLED 142 s x s t surface Lite plus 14ated 98 s x PACKER SET NONE PACKER SET NONE DEEZE, ETC.— D MATERIAL USED HCL 30,000 gals ine w/ 160,0
28. CASING SIZE 8 5/8* 29. SIZE NONE 31. Perforation Record (4 3533 - 37 4 3 3 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4	TOP. Interval, size and 3568' = 74 3626' = 36 3664' = 68 3703' = 08	380 LINER RECORD BOTTOM 3587'-9 3641'-6 3730'-2	93° 93° 90° \$ACKS C	PRODU	SCREEN 32. DEPTH 3533 UCTION ing - Size ar	35 30 30 ACIENT -37	CEMENT 0 8 X 8 0 8 X 8 0 8 X 8 30. SIZE 2 3/8** 0, SHOT, FR. ERVAL 64* 02 37 37	TUB DEPTI AMOUNT 2500 gs Frac'us 9# gell # of 'ss	eulate etter eireu ing RECO ing RECO AND KINI AN	AMOUNT PULLED 1d 42 s x s t SUFFACE Lite plus Lated 98 s x RD SUFFACE PACKER SET NONE PACKER SET NONE BEEZE, ETC. D MATERIAL USED HCL 30,000 gals Ine w/ 160,0 EL / Coll CF(vod. 'or, Shugin)
28. CASING SIZE 8 5/8* 29. SIZE NONE 31. Perforation Record (1) 3633*-37*. 3604*-14*. 3652*-55*. 3688*-92*. 3758*-64*.	TOP. Interval, size and 3626'-36'3626'-36'3703'-08	380 380 380 380 LINER RECORD BOTTOM 3587 - 9 3641 - 1 3680 - 8 3730 - 2 Duction Method (Flo	90', +5', 34', owing, gas t	PRODU	SCREEN 32. DEPTH 3533 UCTION ing - Size ar	35 30 30 ACIENT -37	CEMENT 0 8 X 8 0 8 X 8 0 8 X 8 30. SIZE 2 3/8** 0, SHOT, FR. ERVAL 64* 0 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	TING RECORD 3 - Circ 3 Pacesi 5 Cl*C* TUB DEPTI 35: ACTURE, CEI AMOUNT 2500 gg Frac'us 9# gell # of ss	eulate etter circu ing RECO iset LO' AND KING AND KING il 158 led' or und und veil stauss Produ	AMOUNT PULLED 142 & X & t SUFIACE Lite plus 142 & X & t SUFIACE Lite plus 143 & S & X 144 & S & X 144 & S & S & S & X 144 & S & S & S & S & S 144 & S & S & S & S 144 & S & S & S & S 144 & S & S & S & S 144 & S & S & S & S 144 & S & S & S & S 144 & S
28. CASING SIZE 8 5/8* 5½** 29. SIZE NONE 31. Perforation Record (4 3533*-37** 3604*-14** 3652*-55** 3688*-92** 3758*-64** 33. Date First Production 3/15/85 Date of Test	TOP. 14# 14# 14# 14# 150	380 LINER RECORD BOTTOM 3587'-9 3641'-6 3730'-2	93° 93° 90° \$ACKS C	PRODU	SCREEN 32. DEPTH 3533 UCTION bing - Size ar X 16: OII - Bbl.	35 30 30 ACIENT -37	CEMENT O S X S O S	TING RECORD B - CIT B Paceso TUB DEPTI 35: ACTURE, CEI AMOUNT 2500 gs Frac'us 9# gel! # of ss	eulate circu ing RECO iset LO' AND KIN il 15A sing 8 led br ind und Produ Bbi.	AMOUNT PULLED 10 42 8 X 8 t SUFFACE Lite plus PACKER SET NONE PACKER SET PACKER SET NONE PACKER SET PACKER SET NONE PACKER SET PACKER SET PACKER SET NONE PACKER SET PACKER SET NONE PACKER SET PACK
28. CASING SIZE 8 5/8** 29. SIZE NONE 31. Perforation Record (4 3533*-37** 3604*-14** 3652*-55** 3688*-92** 3758*-64** 3758*-64** 3758*5 Onte of Test 3/17/85	TOP. 14# 14# 14# 160	JANUAR RECORD BOTTOM 3587 - 9 3641 - 1 3680 - 8 3730 - 1 Juntion Method (Flore Pumping Choke Size	SACKS C	PRODU	SCREEN	35 35 30 ACILINT -37	CEMENT O S X S O S	TING RECORD PACES TUB DEPTI 35: ACTURE, CEI AMOUNT 2500 gs Frac'us 9# gell # of se Water - 98	eulate etter circu ing RECO iset LO* AND KINI I 15/8 Sing 8 ed br ind ind Produ Bbi. 9	AMOUNT PULLED 142 s x s t surface Lite plus 143 s x s t surface Lite plus 144 s x s t surface PACKER SET NONE PACKER SET
28. CASING SIZE 8 5/8* 5½** 29. SIZE NONE 31. Perforation Record (4 3533*-37** 3604*-14** 3652*-55** 3688*-92** 3758*-64** 33. Date First Production 3/15/85 Date of Test	TOP. 14#	JANUAR RECORD BOTTOM 3587 - 9 3641 - 1 3680 - 8 3730 - 1 Juntion Method (Flore Pumping Choke Size	90'. SACKS C 90'. 54'. 34'. Prod'n, Test Pe	PRODU	SCREEN 32. DEPTH 3533* UCTION ing - Size as X 16: 19.5 Gas -	35 30 30 ACILINT -37	O 8 X 8 O 8 X 8 O 8 X 8 O 8 X 8 O 8 X 8 O 9	TING RECORD TUB PACES TUB DEPTI 35: ACTURE, CEI AMOUNT 2500 gs Frac'us 9# gell # of 'ss Water - 98.	eulate etter circu ing RECO iset LO* AND KINI I 15/8 Sing 8 ed br ind ind Produ Bbi. 9	AMOUNT PULLED 142 s x s t SUTTACE Lite plus 142 s x s t SUTTACE Lite plus 144 s x s t SUTTACE LITE plus 145 s x s t SUTTACE PACKER SET NONE PA
28. CASING SIZE 8 5/8* 29. SIZE NONE 31. Perforation Record (1.3533*-37*3688*-92*3758*-64*3652*-55*3688*-92*3758*-64*37585 Date First Production 3/15/85 Date of Test 3/17/85 Flow Tubing Press.	TOP. 14# 14# 14# 14# 14# 1568	Addition Method (Figure Colculated 2 Hour fiate	SACKS C	PRODU	SCREEN 32. DEPTH 3533* UCTION ing - Size as X 16: 19.5 Gas -	35 35 30 ACILINT -37	O 8 X 8 O 8 X 8 O 8 X 8 O 8 X 8 O 8 X 8 O 9	TUB Pacese Pacese CI°C° TUB DEPTI 35 ACTURE, CEI AMOUNT 2500 gg Frac'us 9# gell # of 'ss Water - 98.9	AND KING SING SING SING SING SING SING SING S	AMOUNT PULLED 1d 42 s x s t SUFFACE Lite plus Lated 98 s x ROBO SUFFACE PACKER SET NONE PACKER SET NONE O MATERIAL USED HCL OO, 000 gals Ine' w/ 160, 0 El ' GII O' (Food. 'or Shaye'in) Icing Gas—Oil Ratio 2667 Gravity — API (Corr.) 36.3
28. CASING SIZE 8 5/8* 29. SIZE NONE 31. Perforation Record (4 3533*-37** 3604*-14** 3652*-55** 3688*-92** 3758*-64** 3758*-64** 3758*5 Date First Production 3/15/85 Date of Test 3/17/85	TOP. 14# 14# 14# 14# 14# 1568	Addition Method (Figure Colculated 2 Hour fiate	90'. SACKS C 90'. 54'. 34'. Prod'n, Test Pe	PRODU	SCREEN 32. DEPTH 3533* UCTION ing - Size as X 16: 19.5 Gas -	35 30 30 ACILINT -37	O 8 X 8 O 8 X 8 O 8 X 8 O 8 X 8 O 8 X 8 O 9	TUB Pacese Pacese CI°C° TUB DEPTI 35 ACTURE, CEI AMOUNT 2500 gg Frac'us 9# gell # of 'ss Water - 98.9	eulate etter circu ing RECO iset LO* AND KINI I 15/8 Sing 8 ed br ind ind Produ Bbi. 9	AMOUNT PULLED 1d 42 s x s t SUFFACE Lite plus Lated 98 s x ROBO SUFFACE PACKER SET NONE PACKER SET NONE O MATERIAL USED HCL OO, 000 gals Ine' w/ 160, 0 El ' GII O' (Food. 'or Shaye'in) Icing Gas—Oil Ratio 2667 Gravity — API (Corr.) 36.3
28. CASING SIZE 8 5/8* 29. SIZE NONE 31. Perforation Record (1) 3604*-14*. 3652*-55*. 3688*-92*. 3758*-64*. 31. Date First Production 3/15/85 Date of Test 3/17/85 Flow Tubing Press. 34. Disposition of Gas (1)	TOP. Interval, size and 3568' - 74 3626' - 36 3703' - 08 Prod Hours Tested 24 Casing Pressu 20# Sold, used for file	JANUAR RECORD BOTTOM 380 LINER RECORD BOTTOM 3587 - 9 3641 - 1 3680 - 8 3730 - 2 Juntary Rate Choke Size Tell, vented, etc.)	90', 45', 34', 2" X Prod'n, Test Pe	PRODU	SCREEN 32. DEPTH 3533* UCTION ing - Size as X 16: 19.5 Gas -	35 30 30 ACILINT -37	O 8 X 8 O 8 X 8 O 8 X 8 O 8 X 8 O 8 X 8 O 9	TING RECORD TORE PACESIS CICC TUB DEPTI 35: ACTURE, CEI AMOUNT 2500 gz Frac'us 9# gell # of ss Water - 98. 98.9 Test Wi	AND KING SING SING SING SING SING SING SING S	AMOUNT PULLED 10 42 8 X 8 t SUFFACE Lite plus PACKER SET NONE PACKER SET NONE O MATERIAL USED HCL OO, 000 gals Ine' w/ 160, 0 (Frod. 'ac Shuggin) Icing Gas—Oil Hatto 2667 Gravity — API (Corr.) 36.3
28. CASING SIZE 8 5/8* 29. SIZE NONE 31. Perforation Record (1.3533*-37*3688*-92*3688*-92*3758*-64*3652*-55*3688*-92*3758*-64*375/85 Date First Production 3/15/85 Date of Test 3/17/85 Flow Tubing Press.	TOP. Interval, size and 3568' - 74 3626' - 36 3703' - 08 Prod Hours Tested 24 Casing Pressu 20# Sold, used for file	JANUAR RECORD BOTTOM 380 LINER RECORD BOTTOM 3587 - 9 3641 - 1 3680 - 8 3730 - 2 Juntary Rate Choke Size Tell, vented, etc.)	90', 45', 34', 2" X Prod'n, Test Pe	PRODU	SCREEN 32. DEPTH 3533* UCTION ing - Size as X 16: 19.5 Gas -	35 30 30 ACILINT -37	O 8 X 8 O 8 X 8 O 8 X 8 O 8 X 8 O 8 X 8 O 9	TING RECORD TORE PACESIS CICC TUB DEPTI 35: ACTURE, CEI AMOUNT 2500 gz Frac'us 9# gell # of ss Water - 98. 98.9 Test Wi	AND KING SING SING SING SING SING SING SING S	AMOUNT PULLED 10 42 8 X 8 t SUFFACE Lite plus PACKER SET NONE PACKER SET NONE O MATERIAL USED HCL OO, 000 gals Ine' w/ 160, 0 (Frod. 'ac Shuggin) Icing Gas—Oil Hatto 2667 Gravity — API (Corr.) 36.3
28. CASING SIZE 8 5/8* 29. SIZE NONE 31. Perforation Record (1	TOP. Interval, size and 3568' - 74 3626' - 36 3626' - 36 3703' - 08 Prod Prod Casing Pressu 20# Sold, used for fit	JANUAR RECORD BOTTOM 380 BOTTOM 387'-0 3641'-1 3680'-2 3730'-2 Choke Size Calculated 2 Hour Rate Lel, vented, etc.) atural Gas	90', 45', 34', Prod'n. Test Pe 19	PRODU	SCREEN SCREEN SCREEN SCREEN SCREEN STATE STATE	35 30 30 ACILINT -37	O 8 X 8 O 8 X 8 O 8 X 8 O 8 X 8 O 8 X 8 O 9	TING RECORD TORE PACESIS CICC TUB DEPTI 35: ACTURE, CEI AMOUNT 2500 gz Frac'us 9# gell # of ss Water - 98. 98.9 Test Wi	AND KING SING SING SING SING SING SING SING S	AMOUNT PULLED 10 42 8 X 8 t SUFFACE Lite plus PACKER SET NONE PACKER SET NONE O MATERIAL USED HCL OO, 000 gals Ine' w/ 160, 0 (Frod. 'ac Shuggin) Icing Gas—Oil Hatto 2667 Gravity — API (Corr.) 36.3
28. CASING SIZE 8 5/8* 29. SIZE NONE 31. Perforation Record (4	WEIGHT LB 24# 14# TOP. Interval, size an 3568 - 74 3626 - 36 3664 - 68 3703 - 08 Prod Prod Hours Tested 24 Casing Pressu 20# Sold, used for for Paso Na FDL, Cal	380 LINER RECORD BOTTOM 3587 - 9 3641 - 1 3680 - 8 3730 - 2 Luction Method (Flore Pumping - 1 Choke Size Calculated 2 Hour Rate icl, vented, etc.) atural Gas l & inclir	SACKS C SACKS C SACKS C SACKS C Poring, gas I Test Pa Prod'n. Test Pa 19	PRODUCTION SULTV	19.5 Cas -	35 30 30 ACILINT -37	CEMENT O S X S O S	TING RECORD TUB PACES TUB DEPTI 35. ACTURE, CEI AMOUNT 2500 gs Frac'us 9# gell # of se water - Bbl. 98.9	AND KING RECO AN	AMOUNT PULLED 10 42 8 X 8 t SUFFACE Lite plus PACKER SET NONE PACKER SET NONE O MATERIAL USED HCL OO, 000 gals Ine' w/ 160, 0 (Frod. 'ac Shuggin) Icing Gas—Oil Hatto 2667 Gravity — API (Corr.) 36.3
28. CASING SIZE 8 5/8* 29. SIZE NONE 31. Perforation Record (1) 3533*-37*, 3604*-14*, 3652*-55*, 3688*-92*, 3758*-64* 13. Date First Production 3/15/85 Date of Test 3/17/85 Flow Tubing Press. Sold to E3 35. List of Attachments	WEIGHT LB 24# 14# TOP. Interval, size an 3568 - 74 3626 - 36 3664 - 68 3703 - 08 Prod Prod Hours Tested 24 Casing Pressu 20# Sold, used for for Paso Na FDL, Cal	380 LINER RECORD BOTTOM 3587 - 9 3641 - 1 3680 - 8 3730 - 2 Luction Method (Flore Pumping - 1 Choke Size Calculated 2 Hour Rate icl, vented, etc.) atural Gas l & inclir	SACKS C SACKS C SACKS C SACKS C Poring, gas I Test Pa Prod'n. Test Pa 19	PRODUCTION SULTV	19.5 Cas -	35 30 30 ACILINT -37	CEMENT O S X S O S	TING RECORD TUB PACES TUB DEPTI 35. ACTURE, CEI AMOUNT 2500 gs Frac'us 9# gell # of se water - Bbl. 98.9	AND KING RECO AN	AMOUNT PULLED 10 42 8 X 8 t SUFFACE Lite plus PACKER SET NONE PACKER SET NONE O MATERIAL USED HCL OO, 000 gals Ine' w/ 160, 0 (Frod. 'ac Shuggin) Icing Gas—Oil Hatto 2667 Gravity — API (Corr.) 36.3
28. CASING SIZE 8 5/8* 29. SIZE NONE 31. Perforation Record (1) 3533*-37*. 3604*-14*. 3652*-55*. 3688*-92*. 3758*-64*. 31. Date First Production 3/15/85 Date of Test 3/17/85 Flow Tubing Press. 3.1. Disposition of Gas (1) Sold to E3 35. List of Attachments GR - CNL, 36. I hereby certify that	WEIGHT LB 24# 14# TOP Interval, size and 3568' - 74 3626' - 36 3664' - 68 3703' - 08 Prod Hours Tested 24 Casing Pressu 20# Sold, used for for the information	And the state of t	SACKS COSTONE SA	PRODUCTION STATE OF S	SCREEN 32. DEPTH 3533 UCTION Ing - Size as X 16: CGas - I	35 30 30 ACIE INT -37	CEMENT O S X S O S	TING RECORD TOP PACES: CICC TUB DEPTI 35: ACTURE, CEI AMOUNT 2500 ga Frac'us 9# gell # of ss Water — 98. PROSE WILLIAM Water — 98. PROSE WILLIAM Month of the state of the	AND KING SING 8 Led brand Soul Strates By Oil Control of the second By Production Office By Production of the second By Production Office By P	AMOUNT PULLED 14 42 s x s t surface Lite plus 14 ted 98 s x 14 ted 98 s x 16 surface PACKER SET NONE PACKE
28. CASING SIZE 8 5/8** 29. SIZE NONE 31. Perforation Record (4	WEIGHT LB 24# 14# TOP Interval, size and 3568' - 74 3626' - 36 3664' - 68 3703' - 08 Prod Hours Tested 24 Casing Pressu 20# Sold, used for for the information	And the state of t	SACKS COSTONE SA	PRODUCTION STATE OF S	19.5 Cas -	35 30 30 ACIE INT -37	CEMENT O S X S O S	TING RECORD TOP PACES: CICC TUB DEPTI 35: ACTURE, CEI AMOUNT 2500 ga Frac'us 9# gell # of ss Water — 98. PROSE WILLIAM Water — 98. PROSE WILLIAM Month of the state of the	AND KING RECO AN	AMOUNT PULLED 10 42 8 X 8 t SUFFACE Lite plus PACKER SET NONE PACKER SET NONE O MATERIAL USED HCL OO, 000 gals Ine' w/ 160, 0 (Frod. 'ac Shuggin) Icing Gas—Oil Hatto 2667 Gravity — API (Corr.) 36.3

5 copies to Oct Com. Office 3/18/85

INSTRUC

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		INDICAT	E FORMA	TIME TORS	IN COMPORNIA	NCE RITH	Gruuk:	APHICAL: 3	section of s	
	ر مع القرائد من العراق الدولوم القرائد المائد	Sout	theustern !	New Mexico	the State of the same	(44) 等。(1) 五 万)		Northw	extem New Me	Augioffice Seers on Contraction
	11	63•								
', ' Anhy	7.7	40.		. •					T. Pen	W.M. As
, Sult	28	40.		Strawn						ı. "C"
Salt	30	03.		Atoka				·		rate that does not
. Yate	32	70*		Mins	· · · · · · · · · · · · · · · · · · ·	_ T. Citti _ T. Men	• •			11.10
. 7 Ri	35	66'		Devonian <u> </u>					T. Mudi	
. Quec	-·· ——-			Silurian				· · · · · · · · · · · · · · · · · · ·	T. McC	Zia
-	burg				· · · · · · · · · · · · · · · · · · ·				1. MCC	racken
	Andres	₹		-		1		4 4 5 5 KM	T. Igna	dio Otzte
	ieta dock									7.74
						•			· ·	
				Delaware Sa						
. Abo.								·	T.	* : @
-						– I. Wille T. Chin	:		т	
. Wolld	camp		Т Т			m n	•		T	2/3/65
	o (Bough C	٠,	1. ·			T Pont			т	1
					OIL OR GAS		017 .20	NES	r.Ā.	1008E
•	_m 35								10	
. 2, fro	m	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	l	00		No. 5, fr	OID	*************	to	
. 3. fro	m			O		No. 6, fr				
ي دريد .		of water	inflow and		IMPORTAN	e in hole.		S	202	8 5/8**
), 1, from	m. J. J.		7027 E		which water me	e in hole.	•	feet.	\$ 150 5 20000 10000000000000000000000000000000	8 5/8"
. 2, from	m. Just		7007 E		which water ros	e in hole.		feet.	\$1.15.	8 5/8"
), 1, from	m		7000	A 5 W	which water ros	e in hole.		feet.	**************************************	8 5/8"
. 2, from	m. Ju		7000	A 5 W	which water me	e in hole.		feet.	у)	er with the second of the second
. 1, from . 2, from . 3, from	m Jo	Thickness - in Peat	700 Z	ORMATION I	which water ros	an additions		feet. feet. feet. if necessar Thickness in Feet	(y)	Farmenten (- 1656
. 1, from . 2, from . 3, from	m 150°	Thickness-in Feet	FO Surf	ORMATION I	which water me	an additions		feet. feet. feet. feet. if necessar Thickness	y)	3533'-Japhana3 3004'-14'. 3652'-55', 3
. 1, from . 2, from . 3, from From . 60	m 150	Thickness-in Feet	"IO" F	ORMATION F Formation ace Soil	which water ros	an additions		feet. feet. feet. if necessar Thickness in Feet	(y)	3533'-304'-14'. 3652'-55', 3
. 1, from . 2, from . 3, from . 4, from . 50° . 163°	To 30 1163 1340	Thickness in Feet 1113:	Surf Red	ORMATION F Formation ace Soil	which water ros	an additions		feet. feet. feet. feet. if necessar Thickness	y)	3533'-Japhana3 3004'-14'. 3652'-55', 3
. 1, from . 2, from . 3, from . 4, from . 50° . 163° . 340°	To 50 1163 1340 2840	Thickness-in Feet 1113.1171115001	Surf Red Anhy	ORMATION I Formation Second Se	which water ros	an additions		feet. feet. feet. feet. if necessar Thickness	y)	3533'-30th 14'.
1, from 2, from 3, from 6, from 163° 340°	To 50 1163 1340 2840	Thickness 50 1113 177 1500 960	Surf Red Anhy Salt	ORMATION Formation Second Social Second Seco	which water ros	an additions		feet. feet. feet. feet. if necessar Thickness	y)	3533'-30th 14'.
. 1, from . 2, from . 3, from . 4, from . 50° . 163° . 340°	To 1163 1340 2840 3800	Thickness 50 1113 177 1500 960	Surf Red Anhy Salt	ORMATION Formation Second Social Second Seco	which water ros	an additions		feet. feet. feet. if necessar Thickness in Feet	y)	3533'-3" 1004'-14' 1052'-55', 3 1006'-92', 3
1, from 2, from 3, from 4, from 50° 163° 340°	To 1163 1340 2840 3800	Thickness 150 1113 177 1500 1960	Surf Red Anhy Salt	ORMATION Formation Second Social Second Seco	which water me	an additions		feet. feet. feet. if necessar Thickness in Feet	y)	3533'-24'-3 3052'-55'-3 3062'-42'-3 3723'-04'-3
1, from 2, from 3, from 4, from 50° 163° 340°	To 30 1163 1340 2840 3800	Thickness 150 1113 177 1500 1960	Surf Red Anhy Salt Anhy W/s	ORMATION Formation Second Social Second Seco	which water me	an additions		feet. feet. feet. if necessar Thickness in Feet	y)	3533'-204'-19 ; 3652'-55': 3 ; 3652'-55'-55': 3 ; 3652'-55'-55'-55'-55'-55'-55'-55'-55'-55'-
1, from 2, from 3, from 50° 163° 340°	T. 50 1163 1340 2840 3800	Thickness 150 1113 177 1500 1960	Surf Red Anhy Salt Anhy W/s	ORMATION Formation Second Social Second Seco	which water me	an additions		feet. feet. feet. if necessar Thickness in Feet	y)	3533'-204'-19' 3652'-55' 37500'-04' 3755'
1, from 2, from 3, from 50° 163° 340°	To 30 1163 1340 2840 3800	Thickness 150 1113 177 1500 1960	Surf Red Anhy Salt Anhy W/s	ORMATION Formation Second Social Second Seco	which water me	an additions		feet. feet. feet. if necessar Thickness in Feet	y)	3533'-204'-19' 3652'-55' 37000'-24' 3715/25
1, from 2, from 3, from 50° 163° 340°	To 30 1163 1340 2840 3800	Thickness 150 1113 177 1500 1960	Surf Red Anhy Salt Anhy W/s	ORMATION Formation Second Social Second Seco	which water me	an additions		feet. feet. feet. if necessar Thickness in Feet	y)	3533'-294'09 3052'-55', 3 3662'-65', 3 3662'-64', 3 3/15/35
7, from 0° 50° 163° 1340° 2840°	To 30 1163 1340 2840 3800	Thickness 150 1113 177 1500 1960	Surf Red Anhy Salt Anhy W/s	ORMATION Formation Second Social Second Seco	which water me	an additions		feet. feet. feet. if necessar Thickness in Feet	y)	3533'-204'-19' 3652'-55' 37000'-24' 3715/25

Effective 14-65

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section ZIA ENERGY, INC. TOBY Township County Section init Letter 248 13 36E Actual Footage Location of Well: EAST 1650 NORT!! line and feet from the feet from the Producing Formation Pool Dedicated Acreage Ground Level Elev. Seven Rivers -Langlie - Mattix Queen 3304.2 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? If answer is "yes," type of consolidation _ If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commis-CERTIFICATION I hereby certify that the information cor tained herein is true and complete to the Engineer Position Zia Energy, Inc. Company 1/31/85 Date hereby cartify that the well location on this plat was plotted from field Date Surveyed 1/30/85 Registered Professional Engineer RONALD J. EIDSON, 3239

1000

2000

1800

1220 1680

1880 2810

800

DISTRIBUTION				7-1	10:01	25-2912
DISTRIBUTION				, Arthur	$(r_{j})^{\frac{1}{2}}$	
	NEW NEW	MEXICO OIL CONSE	RVATION COMMISSIO	N	Form C-101	
TA.FE					Royised 14-	
L.			* * * * * * * * * * * * * * * * * * *			" Tyre of Lease
G.S.		•	in the second		STATE	74E 🗶
O OFFICE					S. State Oil	& Gus Legse No.
RATOR						
					TITIT	mmmi
ADDL ICATIO	N FOR PERMIT TO	DOLL DEEDEN	OD DI LIC BACK	1 2 2 3 3 3		
pe of Work	M FOR FERMIT TO	DRILL, DEEPLIN,	OR PLUG BACK			minim
·					onte Agr	remont Name
DRILL K		DEEPEN	PLUG	BACK		
pe of Well		. —			8, Farm or 1	
LL X GAS.	O.HER	*	SONE TO MUL	TIPLE	Tob	y
e of Operator					9. Well No.	
Zia Energy,	Inc.				2	e e e e e e e e e e e e e e e e e e e
tess of Operator						nd Pool, or Wildcut
·	219, Hobbs, NM	RRALA		,		
ation of Well			N - m	A	Lan	glie Mattix
GRIOR OF WALL	ER H LOCA	1650	ELT FROM THE NOT	EN LINE		
			_	_		
990	THE East CINE	nr etc. 13 - ry	wr. 245 .ce. 36	E HAPA	IIIIII	
	(i////////////////////////////////////	Millimin		MILLE	12. County	
		HHHHHH			Lea	////////
				777777	TITITI	HHHH
		//////////////////////////////////////		1111111		
માનનાના	444444	44444444444444444444444444444444444444	9, Proposed Depth 1	9/c. Formatto	inni,	26. Rotery or C.T.
///////////////////////////////////////			3900'	Que		Rotary
		77777777				
valions (Show whether DE)	· · · · · · · · · · · · · · · · · · ·	1	1B. Drilling Contractor	•	22. Approx	. Date Work will start
·	Brank	et on file			1	· ·
	. Dr	OPOSED CASING AND	CEMENT PROCESU			
<u> </u>		O O JED CASING AND	CEMENT FROUKAM		<u> </u>	••
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF	CEMENT	EST. TOP
121"	8 5/8*	24#	350'	25	0	Circulate
7 7/8*	5± "	14#	3900'	90		Circulate
						
	1	*				
				•		
	7 7/84 hala e	o T. D. at 3				
				*		
2. Run Gr	- CNL &FDL i	n open hole.				
2. Run Gr 3. Run &	- CNL &FDL is cement 5% cs	n open hole. g.				
2. Run Gr 3. Run &	- CNL &FDL is cement 5% cs	n open hole. g.		oductio	n from	the
2. Run Gr 3. Run & 4. Perfor	- CNL &FDL is cement 5 cs ate, stimulat	n open hole. g. e & test to	establish pro			the
2. Run Gr 3. Run & 4. Perfor	- CNL &FDL is cement 5% cs	n open hole. g. e & test to	establish pro			the
2. Run Gr 3. Run & 4. Perfor	- CNL &FDL is cement 5 cs ate, stimulat	n open hole. g. e & test to	establish pro			the
2. Run Gr 3. Run & 4. Perfor	- CNL &FDL is cement 5 cs ate, stimulat	n open hole. g. e & test to	establish pro			the
2. Run Gr 3. Run & 4. Perfor	- CNL &FDL is cement 5 cs ate, stimulat	n open hole. g. e & test to	establish pro			the
2. Run Gr 3. Run & 4. Perfor	- CNL &FDL is cement 5 cs ate, stimulat	n open hole. g. e & test to	establish pro			the
2. Run Gr 3. Run & 4. Perfor	- CNL &FDL is cement 5 cs ate, stimulat	n open hole. g. e & test to n in the Lan	establish pr glie – Matti	K field		
2. Run Gr 3. Run & 4. Perfor	- CNL &FDL is cement 5 cs ate, stimulat	n open hole. g. e & test to n in the Lan	establish proglie - Matti	x field Months i	rom Ap	
2. Run Gr 3. Run & 4. Perfor	- CNL &FDL is cement 5 cs ate, stimulat	n open hole. g. e & test to n in the Lan	establish proglie - Matti	x field Months i	rom Ap	
2. Run Gr 3. Run & 4. Perfor	- CNL &FDL is cement 5 cs ate, stimulat	n open hole. g. e & test to n in the Lan	establish pr glie – Matti	x field Months i	rom Ap	
2. Run Gr 3. Run & 4. Perfor	- CNL &FDL is cement 5 cs ate, stimulat	n open hole. g. e & test to n in the Lan	establish proglie - Matti	x field Months i	rom Ap	
2. Run Gr 3. Run & 4. Perfor	- CNL &FDL is cement 5 cs ate, stimulat	n open hole. g. e & test to n in the Lan	establish proglie - Matti	x field Months i	rom Ap	
2. Run Gr 3. Run & 4. Perfor	- CNL &FDL is cement 5 cs ate, stimulat	n open hole. g. e & test to n in the Lan	establish proglie - Matti	x field Months i	rom Ap	
2. Run Gr 3. Run & 4. Perfor	- CNL &FDL incement 5% cs. cement 5% cs. cate, stimulat Rivers - Queen	n open hole. g. e & test to n in the Lan	establish proglie - Matti	x field Months i	rom Ap	
2. Run Gr 3. Run & 4. Perfor Seven	- CNL &FDL incement 5% cs. cement 5% cs. cate, stimulat Rivers - Queen	n open hole. g. e & test to n in the Lan Po	establish progenit Expires 6 ate Unless Drilli	x field Months i	rom Ap	
2. Run Gr 3. Run & 4. Perfor Seven	CONL &FDL is cement 5% cs cate, stimulat Rivers - Quee:	n open hole. g. e & test to n in the Lan Po ROPUSAL IS TO DEEPER OR ete to the best of my kn	establish proglie - Matti	x field Months i	rom Ap	
2. Run Gr 3. Run & 4. Perfor Seven	CONL &FDL is cement 5% cs cate, stimulat Rivers - Quee:	n open hole. g. e & test to n in the Lan Po ROPUSAL IS TO DEEPER OR ete to the best of my kn	establish progenit Expires 6 ate Unless Drilli	Months I	rom Ap	
2. Run Gr 3. Run & 4. Perfor Seven VE SPACE DESCRIBE PR E. GIVE DESWOOT PREVENT Certify that the information Directory Certify that the information Cer	CPOSED PROGRAM: IF PER PROGRAM: IF ANY.	n open hole. g. e & test to n in the Lan Po ROPUSAL IS TO DEEPER OR ete to the best of my kn	establish proglie - Matti	Months I	rom Ap nvay.	
2. Run Gr 3. Run & 4. Perfor Seven VE SPACE DESCRIBE PR E. GIVE DESWOOT PREVENT Certify that the information (This space for	CPOSED PROGRAM: IF PIER PROGRAM: IF ANT. On whom is true and compt State Use)	n open hole. g. e & test to n in the Lan Po ROPUSAL IS TO DEEPER OR ete to the best of my kn	establish proglie - Matti	Months I	rom Ap nvay.	
2. Run Gr 3. Run & 4. Perfor Seven VE SPACE DESCRIBE PR E. GIVL DLOWOUT PREVENT Certify that the information (This space for Eddie	CPOSED PROGRAM: IF PER PROGRAM: IF ANY.	n open hole. g. e & test to n in the Lan Po ROPUSAL IS TO DEEPER OR ete to the best of my kn	establish proglie - Matti	Months I	rom Ap nway.	