Sec : 28 Twp : 17S Rng : 29E Section Type : NORMAL

A A C	AA	A	A
U 09/10/41	U 09/10/41	U 09/10/41	U 12/14/00
CHASE OIL CORPORA	CHASE OIL CORPORA	CHASE OIL CORPORA	CHASE OIL CORPORA
B00255 0011	B00255 0011	B00255 0011	B00514 0010
CS	SO	CS .	CS
40.00	40.00	40.00	40.00
đ	0	N	М
AA	A A A A	A P A	A A
U 09/10/41	U 09/10/41	U 12/14/00	U 12/14/00
CHASE OIL CORPORA	CHASE OIL CORPORA	CHASE OIL CORPORA	CHASE OIL CORPORA
B00255 0011	B00255 0011	B00514 0010	B00514 0010
CS	CS	CS	CS
40.00	40.00	40.00	40.00
H	G	*	г
A A A A A	A A A A A A	AAAA	A A
	U 12/14/00	U 12/14/00	U 12/14/00
\circ	CHASE OIL CORPORA	CHASE OIL CORPORA	CHASE OIL CORPORA
B00514 0010	B00514 0010	B00514 0010	B00514 0010
CS	CS	CS	CS
40.00	40.00	40.00	40.00
H	Q	দ্য	H
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.¤ A	A A	AA	A A
		U 12/14/00	U 12/14/00
\circ	0	0	0
B00514 0010	B00514 0010	B00514 0010	B00514 0010
CS	CS	SD	CS
40.00	40.00	40.00	40.00
A	В	C	ם

Page: 1 Document Name: untitled

OGGIWCM .. G<u>A</u>D

ONGARD

INQUIRE WELL COMPLETIONS

OGOMES - TPGH 07/20/04 16:27:07

WC Status : P Eff Date : 05-24-2004 API Well No : 30 15 33203

: 77840 GRAYBURG; MORROW (GAS) Pool Idn

33350 DIAMONDBACKS STATE 13837 MACK ENERGY CORP OGRID Idn Prop Idn

: 001 Well No

3565 GL Elevation:

East/West Prop/Act(P/A) Township Range North/South U/L Sec

FTG 2040 F N FTG 2140 F E

29臣

17S

28

r

B.H. Locn

Lot Identifier:

Dedicated Acre:

Lease Type

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF10 NEXT-WC PF11 HISTORY PF12 NXTREC **PF06 PF05** PF04 GoTo PF03 EXIT **PF09 PF02 PF08** PF01 HELP

Date: 7/20/2004 Time: 04:27:44 PM

District IV Santa Fe, NM 87					ERVATION O Box 208 e, NM 875	00 / 'V	Un	5004	56	5 Copies	
O Box 2088, Santa Fe	c, NM 87504-2	G88				103			8) LJ A1	MENDED REPORT	
<u> </u>	R				LE AND			ARTESIA ON TO TR			
				and Address	TION	165	281	ol Grareign	OGRID Nu 01383		
			P.O. B	O36 XC			3.4	gi GLV	eason for Fili	ng Code	
		ART	ESIA, NI	A 88211-09	60				NW		
	Number				Pool Na					Pool Code	
	15-33203 erty Code				Grayburg; Property				- -	77840 Well Number	
3	3350				Diamondba	icks State				1	
		ocation	Dance	Lot. idn	F 41	1 N	at Time I	Feet from the	East/West Li	e County	
	Section	Township	Range	1.04. 103	Feet from the				East	Eddy	
G Bot	28 ttom H	17S ole Loca	29E tion		2040	Nor	un j	2140	Last	LEddy	
UL or lot no.	Section	Township	Range	Lot. ldn	Feet from the	North/So	uth Line	Feet from the	East/West Lin	e County	
Lease Code	Producing	Method Cod	Gas C	onnection Date	C-129 P	ermit Number	1 (C-129 Effective I	Date C	-129 Expiration Date	
S S	Livancing	F									
III. Oil a			rters	-	<u> </u>						
Transporter OGRID			ransporter Na and Address	me		POD	O/G		POD ULSTR L and Descrip		
015694 Navajo Refining Company P.O. Box 159			01	04026	0	Unit	G. Sec. 28-7	117S-R29E			
Artesia, NM 88211-0159						Omt					
036785 Duke Energy Field Services			01	04027	G	T Tmin	G San 20'	Γ17 S-R29E			
4001 Penbrook Odessa, TX 79762						Oint	G, Sec. 26-	1173-R29E			
Odessa, 17 79702											
IV. Produced Water					non	POD ULSTR Location and Description					
					FOD	POD ULSTR Location and Description Unit G, Sec. 28-T17S-R29E					
Po	OD			0104028				Unit G, Sec. 28-T17S-R29E			
P¢ 0104	OD 4028				Un	nit G, Sec. 28	3-T17S				
0104 V. Well C Spud	OD 4028 Complet I Date		Ready D		T	D	3-T17S	рвто		Perforations	
0104 V. Well C Spud 2/1	OD 4028 Complet	ion Data	4/28/2		T: 1120	D 04	S-T1/S	рвто 11152	S	10698-10800'	
0104 V. Well C Spud 2/1	4028 Complet Date 6/2004	ion Data	4/28/2	004	T: 1120	D 04		рвто 11152	Sa		
0104 V. Well C Spud 2/1	4028 Complet Date 6/2004 Hole Size	ion Data	4/28/2	004 asing & Tubing	T: 1120	D 04	Depth Se	рвто 11152	Sa	10698-10800' cks Cement	
0104 V. Well C Spud 2/1	4028 Complet Date 6/2004 Hole Size	ion Data	4/28/2	004 asing & Tubing 13 3/8	T: 1120	D 04 I	Depth Se	рвто 11152	Sa	10698-10800' cks Cement 580	
0104 V. Well C Spud 2/1	4028 Complet 1 Date 6/2004 Hole Size 17 1/2 12 1/4	ion Data	4/28/2	004 asing & Tubing 13 3/8 9 5/8	T: 1120	D 04 I	383 4600	рвто 11152	Sa	10698-10800' cks Cement 580 1790	
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V. Well C Spud 2/1 VI. Well	4028 Complet I Date 6/2004 Hole Size 17 1/2 12 1/4 7 7/8 Test D ew Oil	ata Gas De	4/28/2	004 asing & Tubing 13 3/8 9 5/8 5 1/2 2 7/8	TI 1120 Size	D 04 I	383 4600 11200 10714	рвто 11152		10698-10800' cks Cement 580 1790	
V. Well C Spud 2/1	4028 Complet I Date 6/2004 Hole Size 17 1/2 12 1/4 7 7/8 Test D ew Oil	ata Gas De	4/28/2 C	004 asing & Tubing 13 3/8 9 5/8 5 1/2 2 7/8	TI 1120 g Size	D 04 I	383 4600 11200 10714 ength	PBTD 11152 st	essure	10698-10800' cks Cement 580 1790 3280	
V. Well C Spud 2/1 VI. Well Date No 5/8/20 Choke	4028 4028 Complet I Date 6/2004 Hole Size 17 1/2 12 1/4 7 7/8 Test D ew Oil 004 e Size	ata Gas De 5/8	4/28/2 C C C C C C C C C C C C C C C C C C C	004 asing & Tubing 13 3/8 9 5/8 5 1/2 2 7/8 Test 5/18	1120 Size	D 04 I	383 4600 11200 10714 ength	PBTD 11152 et	essure	10698-10800' cks Cement 580 1790 3280 Csg. Pressure	
VI. Well Date No. 5/8/26 Choke	4028 4028 Complet 1 Date 6/2004 Hole Size 17 1/2 12 1/4 7 7/8 Test D ew Oil 004 e Size	ata Gas De 5/8	4/28/2 C livery Date //2004 Dill O onservation I	004 asing & Tubing 13 3/8 9 5/8 5 1/2 2 7/8 Test 5/18	1120 Size Date //2004 ater 0 m complied	Test Le 24 hou	383 4600 11200 10714 ength	PBTD 11152 st Tbg. Pr	essure	10698-10800' cks Cement 580 1790 3280 Csg. Pressure Test Method F	
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VI. Well Date No. 5/8/26 Choke I hereby certiff with and that if knowledge and Signature:	4028 Complet Date 6/2004 Hole Size 17 1/2 12 1/4 7 7/8 Test D ew Oil 004 e Size y that the ru he informatic	ata Gas De 5/8 Les of the Oil Congiven above Let y W. Production	4/28/2 C divery Date //2004 Dil 0 onservation I is true and co	004 asing & Tubing 13 3/8 9 5/8 5 1/2 2 7/8 Test 5/18 W	TI 1120 Size Date //2004 ater 0 m complied to finy 7 A	Test Le 24 hou Gai 10 BH O pproved by: We	383 4600 11200 10714 ength urs	Tbg. Pr	essure DF	10698-10800' cks Cement 580 1790 3280 Csg. Pressure Test Method F	

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7/1/2004

Wellbore Diagram

r263

30-015-33203-00-00

DIAMONDBACKS STATE

No. 001

Company Name: MACK ENERGY CORP

Location: Sec: 28 T: 17S R: 29E Spot:

String Information

Lat/Long: Lat: 32.8071975274558 Long: -104.07821 Property Name: DIAMONDBACKS STATE

County Name: Eddy

Cement Information

Perforation Information

Hole:	1	Inknown

٦	rn.	

TVD: 0

PBTD:

Formation	n Information	
St Code	Formation	Depth
Psal	Salado	307
Pbslt	Base of Salt	660
Pyts	Yates	816
Psr	Seven Rivers	1116
Psrbs	Bowers Sand	1511
Pqu	Queen	1750
Pgb	Grayburg	2147
Psa	San Andres	2462
Pgl	Glorieta	3968
Pabo	Abo	6080
Pwc	Wolfcamp	7295
Ppcis	Cisco	8548
PPst	Strawn	9952
Ppat	Atoka	10212
Ppmort	Morrow Limestone	10461
Ppmorc	Morrow Clastics	10643

OPERATOR: WELL/LEASE:

MACK ENERGY DIAMONDBACK ST 1

COUNTY: EDDY

003-0025

STATE OF NEW MEXICO DEVIATION REPORT

1 1/2 1 1/4

1/2 1 3/4 3/4 3/4 1/2 1/4 1/2

1		
189	1	7813
383	3/4	8098
673	1	8479
1051	1/2	8813
1524	1/2	9270
1997	1	9460
2471	3/4	9737
2945	2 1/4	10019
3041	2	10238
3234	1 1/2	10773
3456	1 1/2	11200
3898	1 1/4	
4339	1 1/2	
4600	1 1/4	
4997	1 1/2	
5220	1 3/4	
5472	3	
5599	3	
5820	2 3/4	
6041	2 3/4	
6168	2 1/4	
6389	1 3/4	
6611	2 1/4	
6866	1 3/4	
7118	2	
7370	2 1/2	
7560	1 3/4	



STATE OF TEXAS COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 3rd day of May, 2004, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP,

Notary Public for Midland County, Texas



Submit to Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies DISTRICT 1 P O Box 1980, Hobbs, NM 88240

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

Form C-105 Revised 1-1-89

WELL API NO.

PO Box 1980, Hobbs	, NM 88240		VIL.	00110	2040 South	Pacheco			30)-015-33 <u>20</u>	3		
DISTRICT II 811 South First, Artes	sia, NM 8821	0		Santa F	e, New 1		o 87:	505	5	. Indicate Ty		те 🏻	FEE
DISTRICT III 1000 Rio Brazos Rd.,	Aztec, NM 8°	7410								. State Oil & G -514	as Lease No.		
NACE I	COMPLET		D DE	COMPLE	TION DE	ODT	ANDI	00	80	en est			
1. Type of Well.	COMPLE	ION O	KKE	COMPLE	TION REF	ORI	AND L	.06	7	Lease Name	or Unit Agre	ement N	lame
OIL WELL	GAS	WELL	\boxtimes	DRY	OTHER			37 🛴					
b. Type of Completion						6214	j.		المري.				
WELL OVER	Deep	en 🗍	PLUG BACK		RESVR O	HEX	΄.	400c	3		O+4		
2. Name of Operator					 /	. 	<i>Hitt</i>	- 10		iamondbac	cs State		
•						232	940	EIVED	JA E	5. WEII 140.			
Mack Energy Corporate 3. Address of Operator						2	700	ARIL		. Pool name	or Wildcat		
-		211 004	60			13	000		77/6	rayburg;At	oka (Gae)		
P.O. Box 960, Artes	14, 14141 00	211-090	00			__\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	n.	·		rayourg,rit	OKA (Cas)		
Unit Letter	<u>G</u> :	2040	Feet	From The -	No	rth	21817	19131	2140	Feet F	rom The	Ea	St Line
Section	28		Tow	nship	17S	Range		29E	NM	РМ	Eddy		County
10. Date Spudded	11. Date TI	Reache	ed b	12. Date Co	ompl. (Ready I	o Prod.)		13. Eleva	ations (DF d	RKB, RT, G.	R, esc.) 1	4. Elev.	Casinghead
2/16/2004	4/4	/2004			5/28/200	4			358	2' RKB			3565'
15. Total Depth	16.	Plug Bac	k TD		17 If Multiple Co- Many Zones?	mpl. How		18.	Intervals	Rotary Tool	s i	Cable 7	Tools
11204		1	0575		Many Zones:				Drilled By	Y	es		
19. Producing Interval(s	s), of this com	pletion -	Top, Bo	ottom, Name				- · ·			20. Was Direct	ional Su	rvey Made
10380-10390', Atok	a											Yes	i
21. Type Electric and O Gamma Ray, Neutro	_		log, Sp	ectral Gar	nma Rav					22. Was We	II Cored N	o	
23.	,, <u></u>							 					
			CAS	ING RE	CORD (I								
CASING SIZE	WEIC	HT LB.	./FT.		TH SET	HO	OLE SI		CEM	ENTING R	ECORD	AM	OUNT PULLED
13 3/8		48			83	ļ	17 1/2		<u></u>	580 sx			None
9 5/8		40			500		12 1/4			1790 sx		+	None
5 1/2		17		11	200		7 7/8		<u> </u>	3280 sx		+	None
					-							-	
24				n neco					<u> </u>				
24.	TOP.			ER RECO					25.		BING REC		
SIZE	TOP		- 80	ттом	SACKS CE	MENT	SC	REEN		SIZE	DEPTH S		PACKER SET
					ļ					2 7/8	1032	0	10328
D. C	1./.	<u>,</u>			l		1 0=	A CYD	CHOT F	D A COLUDI	CELARNIA		EDSE ETC
26. Perforation reco	ora (interva	ii, size,	and n	umber)				TH INT		T			EEZE, ETC.
	1029	0-1039	O 45	40			—)-10390			10% MS/M		ERIAL USED
	1030	0-1039	0,.43,	40)-10390		106,000 S		Cuiano	raciu
							10360	7-10390	<u>, </u>	100,000 3	CF N2		
					DDADII	CTIO	NI.			<u></u>			
Date First Production		р,	roductio	n Mathod /F	PRODU Iowing, gas li			and tune	numni		Wall Statu	r (Prod	or Shut-in)
5/30/2004	1	•	, od bette	ii Mottiou (1			-	una type	. pump)		Well State	Produ	•
Date of Test	Hours Te	L	C	hake Size	Prod'n Fo	Flowing	Sil - Bbl		Gas - MC	F V	Vater- Bbl.	11000	Gas - Oil Ratio
6/3/2004	1	hours	1		Test Perio		1		319	1	1		319
Flow Tubing Press.	Casing Pr	~	C	alculated 24-	Oil - Bbl.			- MCF		er- Bbl.	Oil Gravi	tv - API	
260#				our Rate	11		319		1			•	(,
29. Disposition of Gas (Sold, used for	fuel. veni	ted. etc.	,	1*		1515			Test W	itnessed By		
Sold			,								Robert	C. Ch	ase
30. List Attachments												<u> </u>	
Deviation Survey an	d Logs												
31. I hereby certify th		nation si	hown o	n both side:	s of this form	n is true	and co	mplete t	o the best	of my knowl	edge and beli	ef	
Signature O	nyle!	Sh	enel		inted ame	Jerry \	W. She	пell	Title	Produc	tion Clerk	Date	, 6/29/2004
	<u>g</u>												

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

T Anh.			ern New Mexico Northwester	T Oio A	lamo		T. Penn. "B"
			T. Canyon	T Kirtlar	nd_Fruit	land	T. Penn. "C"
B. Salt			1. Strawn T. Atoka10212				T. Penn. "D"
D. Sait T. Yates			T. Atoka T. Miss 11145				T. Leadville
T. 7 Rive		1116	1. IVIISS				T. Madison
T. Queen			T. Devonian T. Silurian				
T. Graybi		2147	T. Montoya	T Mance	LOOKOU Se	·	T McCracken
T. Graybi T. San Ai		2462	-	T Gallur	JS		T. Ignacio Otzte
T. Glorie		2068	T. Simpson				T. Granite
			T. McKee T. Ellenburger	_			T
			T. Gr. Wash	-			T
			T. Delaware Sand	-			T
T. Tubb. T. Drinka							T
		6082	T. Bone Springs 10461				
T. Abo T. Wolfc:	0172 5		T. Morrow Clastics 10443				T T
			1				
T. Penn_			T	T Dann "	un		T
T. Cisco	(Dough	()0546	Т	- 1. Feiiii	A		T
			OIL OR GAS S	ANDS O	R ZON	ES	
No. 1, fro	m		to	No.3,	from.		toto
			·to	No 4	from		to
110. 2, 110			······································	,	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
110. 2, 110			IMPORTANT				
			IMPORTANT	WATER			
Include d	lata on ra	ate of water is	IMPORTANT inflow and elevation to which water ros	WATER in hole.	SAND	S	
Include d No. 1, fro	lata on ra	ate of water is	IMPORTANT inflow and elevation to which water ros to	WATER se in hole.	SAND	feet	••••••
Include d No. 1, fro No. 2, fro	lata on ra	ate of water is	IMPORTANT inflow and elevation to which water ros to	WATER se in hole.	SAND	feet	
Include d No. 1, fro No. 2, fro	lata on ra	ate of water in	IMPORTANT Inflow and elevation to which water ros to to to	WATER se in hole.	SAND	feet	
Include d No. 1, fro No. 2, fro	lata on ra	ate of water in	IMPORTANT inflow and elevation to which water ros to	WATER se in hole.	SAND	feet	
Include d No. 1, fro No. 2, fro No. 3, fro	lata on ra	ate of water in	IMPORTANT Inflow and elevation to which water ros to to LITHOLOGY RECORD (Att	water se in hole.	SAND	feet feet feet sheet if ned	cessary)
Include d No. 1, fro No. 2, fro	lata on ra	ate of water i	IMPORTANT Inflow and elevation to which water ros to to to	WATER se in hole.	SAND	feetfeetsheet if ned	
Include d No. 1, fro No. 2, fro No. 3, fro	lata on ra	Thickness	IMPORTANT Inflow and elevation to which water ros to to LITHOLOGY RECORD (Att	water se in hole.	SAND	feet feet feet sheet if ned	cessary)
Include d No. 1, fro No. 2, fro No. 3, fro	lata on ra	Thickness	IMPORTANT Inflow and elevation to which water ros to to LITHOLOGY RECORD (Att	water se in hole.	SAND	feetfeetsheet if ned	cessary)
Include d No. 1, fro No. 2, fro No. 3, fro	lata on ra	Thickness	IMPORTANT Inflow and elevation to which water ros to to LITHOLOGY RECORD (Att	water se in hole.	SAND	feetfeetsheet if ned	cessary)
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Include d No. 1, fro No. 2, fro No. 3, fro	lata on ra	Thickness	IMPORTANT Inflow and elevation to which water ros to to LITHOLOGY RECORD (Att	water se in hole.	SAND	feetfeetsheet if ned	cessary)
Include d No. 1, fro No. 2, fro No. 3, fro	lata on ra	Thickness	IMPORTANT Inflow and elevation to which water ros to to LITHOLOGY RECORD (Att	water se in hole.	SAND	feetfeetsheet if ned	cessary)
Include d No. 1, fro No. 2, fro No. 3, fro	lata on ra	Thickness	IMPORTANT Inflow and elevation to which water ros to to LITHOLOGY RECORD (Att	water se in hole.	SAND	feetfeetsheet if ned	cessary)
Include d No. 1, fro No. 2, fro No. 3, fro	lata on ra	Thickness	IMPORTANT Inflow and elevation to which water rose to t	water se in hole.	SAND	feetfeetsheet if ned	cessary)
Include d No. 1, fro No. 2, fro No. 3, fro	lata on ra	Thickness	IMPORTANT Inflow and elevation to which water rose to t	water se in hole.	SAND	feetfeetsheet if ned	cessary)
Include d No. 1, fro No. 2, fro No. 3, fro	lata on ra	Thickness	IMPORTANT Inflow and elevation to which water rose to t	water se in hole.	SAND	feetfeetsheet if ned	cessary)
Include d No. 1, fro No. 2, fro No. 3, fro	lata on ra	Thickness	IMPORTANT Inflow and elevation to which water rose to t	water se in hole.	SAND	feetfeetsheet if ned	cessary)
Include d No. 1, fro No. 2, fro No. 3, fro	lata on ra	Thickness	IMPORTANT Inflow and elevation to which water rose to t	water se in hole.	SAND	feetfeetsheet if ned	cessary)
Include d No. 1, fro No. 2, fro No. 3, fro	lata on ra	Thickness	IMPORTANT Inflow and elevation to which water rose to t	water se in hole.	SAND	feetfeetsheet if ned	cessary)
Include d No. 1, fro No. 2, fro No. 3, fro	lata on ra	Thickness	IMPORTANT Inflow and elevation to which water rose to t	water se in hole.	SAND	feetfeetsheet if ned	cessary)

Submit to Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies DISTRICT I P.O. Box 1980, Hobbs, NM 88240 State of New Mexico Energy, Minerals and Natural Resources Department OIL CONSERVATION DIVISION

Form C-	105
Revised	1-1-8

WELL API NO.

P.O. Box 1980, Hobbs,	, NM 88240			2040 South Pache	co		30)-015-3320:	3			
DISTRICT II 811 South First, Artes	ia, NM 88210	Sar	_	New Mex		505	3	5. Indicate Type of Lease STATE FEE FEE				
DISTRICT III 1000 Rio Brazos Rd., A	Aztec, NM 87410							. State Oil & Ga -514	s Lease No.			
WELL	OMPLETION (OR RECOI	APLET	ON REPOR	TAND	LOG	a s	4			antago de dig	
I Type of Well: OIL WELL	GAS WELL			OTHER		3031	2	/ Lease Name	or Unit Agree	ment N	ame	
b. Type of Completion:	: 	, PLUG	, DIF	IVR OTHER	A A		TO PST					
WELL OVER	Deepen	ВАСК	RE	IVR OTHER	1575	2004	á £	iamondback	s State			
2. Name of Operator Mack Energy Corpo	oration			324	BE Jin	CEIVED	NA P	. Well No.				
3. Address of Operator				12	220	- KKIS	3/	P. Pool name o	r Wildcat			
P.O. Box 960, Artesia, NM 88211-0960												
Unit Letter G: 2040 Feet From The North					L.	11 9L 9L	2140	Feet Fr	om The	Ea	St Line	
Section	28	Township	1	17S Ra	nge	29E	NM	РМ	Eddy		County	
10. Date Spudded 2/16/2004	11. Date TD Reach	led 12.1		pl. <i>(Ready 10 Pro</i> 4/28/2004	d.)	13. Eleva	-	e <i>rkb, rt, ge</i> 2' RKB	R, etc.) 14	Elev. (Casinghead 3565'	
15. Total Depth	16. Plug Ba	ck TD		If Multiple Compl. Ho Many Zones?			Intervals	Rotary Tools		Cable T	ools	
11204		11152					Drilled By	Y				
1	Producing Interval(s), of this completion - Top, Bottom, Name 698-10800', Morrow							2	0. Was Direction	nal Su Yes	-	
21. Type Electric and Other Logs Run								22. Was We	11 Cored			
Gamma Ray, Neutron, Density, Lateralog, Spectral Gamma Ray									No	<u> </u>	· · · · · · · · · · · · · · · · · · ·	
23.		CASING	G REC	ORD (Repo	rt all	strings	set in w	rell)				
CASING SIZE	WEIGHT LE	1./FT.	DEPTH		HOLE S		CEM	ENTING R	ECORD	AM	OUNT PULLED	
13 3/8 9 5/8	48 40		383 460		17 1/ 12 1/		·	580 sx 1790 sx		 	None None	
5 1/2	17		1120		7 7/8				None			
								······································				
SIZE	TOP	LINER R					25.		DEPTH S			
SIZE	101	волю	3	SACKS CEMEN	- S	CREEN		2 7/8	10714		PACKER SET 10714	
	······								10/.11		1071	
26. Perforation reco	rd (interval, size	, and numb	er)		27	ACID,	SHOT, F	RACTURE	, CEMENT	SQU	EEZE, ETC.	
	10786-1080	00', .45, 57				PTH INT		1	NT AND KIND		ERIAL USED	
	10,698-10,73					10786-10800' 2500 gals 10% Mor						
						0786-10800' 28,000 SCF Nitrogen, 467 gals Methar 0698-10733' 2000 gals acid, 1790 SCF N2						
28.			P	RODUCT		0 10/33		2000 gain .	1010, 1770 0	- 112	-	
Date First Production		Production Me		wing, gas lift, pur		e and type	pump)		Well Status	(Prod.	or Shut-in)	
5/8/2004				Flow	ing					Produ	cing	
Date of Test	Hours Tested	Choke	Size	Prod'n For Test Period	Oil - Bl		Gas - MC	F W	ater- Bbl.		Gas - Oil Ratio	
5/18/2004 Flow Tubing Press.	24 hours Casing Pressure	Calcula	ted 24-	Oil - Bbl.	() s - MCF	10 Wa	ter- Bbl.	Oil Gravit	, A DI	• (Corr.)	
68#		Hour R			10		0		J. J	, - 1743	(001.)	
29. Disposition of Gas (S	iold, used for fuel, ver	nted, etc.)		· · · · · · · · · · · · · · · · · · ·				Test Wi	tnessed By			
Sold		<u>-</u>							Robert	C. Cha	ase	
30. List Attachments Deviation Survey and	d Logs											
31. I hereby certify the		shown on bot	h sides o	f this form is tr	ue and c	omplete t	o the best	of my knowle	dge and belie	f		
Signature Je	my W.	here a	Print Nam		y W. Sh	errell	Title	Product	ion Clerk	_ Date	6/28/2004	
7	·											

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

		Southeast	ern New Mexico Northwester	n New 1	Mexico		
T Anhy			— T. Canyon —	T. Oio	Alamo _		T. Penn. "B"
			T. Strawn9952	T. Kirtl	and-Fruit	land	T. Penn. "C"
B. Salt _			T. Atoka10212	T. Pictu	red Cliff	s	T. Penn. "D"
T. Yates		816	T. Miss11145				T. Leadville
T. 7 Rive		1116	T. Devonian	T. Men	efee		T. Madison
T. Queer		1512	T. Silurian	T. Poin	t Lookou	t	T. Elbert
T. Grayb		2147	T. Montoya	T. Man	cos		T. McCracken
T. San A	-	2462	T. Simpson				T. Ignacio Otzte
T. Glorie		3968	T. McKee				T. Granite
			T. Ellenburger		ota		T
			T. Gr. Wash		rison		T
			T. Delaware Sand	_ T. Todi	lto		T
T. Drink		·	T. Bone Springs	T. Entr	ada		Т
T. Abo_		6082	T. Morrow Lime 10461	T. Win	gate		T
T. Wolfe	amp	7322	T. Morrow Clastics 10643	T. Chin	le		Т
T. Penn			Т.	T. Pern	nain		т
T. Cisco	(Bough	C) 8548	т.	_			Т.
			OIL OR GAS	- Ganda (OB 708	nec	
No. 1, fr	om		to				to
			·····to				to
			IMPORTANT				
Include	data on r	ate of water i	nflow and elevation to which water ro	se in hole			
			·····to·····			feet	
			·····toto				
			to				
			LITHOLOGY RECORD (At	acn add	iitionai	sneet it ne	ecessary)
From	То	Thickness	Lithology	_	_	Thickness	
11011		in Feet	Ethiology	From	То	in Feet	Lithology
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OPERATOR: WELL/LEASE: **MACK ENERGY DIAMONDBACK ST 1**

COUNTY:

EDDY

003-0025

STATE OF NEW MEXICO **DEVIATION REPORT**

1 1/2 1 1/4

1/2 1 3/4 3/4 3/4 1/2 1/4 1/2 1

	والمرافعين المستحد والمتارب	المراجع المستوالي المستوالي المستوالي المستوالي المستوالي المستوالي المستوالي المستوالي المستوالي المستوالي ا
189	1	7813
383	3/4	8098
673	1	8479
1051	1/2	8813
1524	1/2	9270
1997	1	9460
2471	3/4	9737
2945	2 1/4	10019
3041	2	10238
3234	1 1/2	10773
3456	1 1/2	11200
3898	1 1/4	
4339	1 1/2	
4600	1 1/4	
4997	1 1/2	
5220	1 3/4	
5472	3	
5599	3	
5820	2 3/4	
6041	2 3/4	
6168	2 1/4	
6389	1 3/4	
6611	2 1/4	
6866	1 3/4	
7118	2	
7370	2 1/2	
7560	1 3/4	



STATE OF TEXAS **COUNTY OF MIDLAND**

The foregoing instrument was acknowledged before me on this 3rd day of May, 2004, by

Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP

folic for Midland County,



Submit 3 Copies To Appropriate Distric	t State of	New Mexico		Fonn C-10	3
Office District I		and Natural Resources		March 4, 200	4
1625 N. French Dr., Hobbs, NM 88240 District 11			WELL API NO	0-015-33203	
1301 W. Grand Ave., Artesia, NM 8821		VATION DIVISION	5. Indicate Typ		\dashv
District III 1000 Rio Brazos Rd., Aztec, NM 87410	1	h St. Francis Dr.	STATE		_
District IV 1220 S. St. Francis Dr., Santa Fe, NM	Santa r	e, NM 87505	6. State Oil & C	as Lease No.	İ
87505				B-514	_
(DO NOT USE THIS FORM FOR PRO	OTICES AND REPORTS OF DEPORTS OF THE PROPERTY	PEN OR PLUG BACK TO A		or Unit Agreement Name	
PROPOSALS.)	TICATION FOR PERMIT (FOR	12 101 101 101 101 101 101 101 101 101 1	8. Well Number	ondbacks State	\dashv
DIFFERENT RESERVOIR. USE "API PROPOSALS.) 1. Type of Well: Oil Well Gas Well	⊠ ou	136 A	8. Well Number	er –	
Oil Well Gas Well	Otner		6)	. 1	4
	lack Energy Corporation	אין אינים	S OGKID NUI	013837	
3. Address of Operator	x 960, Artesia, NM 88211	Ici -vu-Him	10. Pool name	or Wildcat ourg;Atoka (Gas)	
4. Well Location	k 700, Al tesla, 141/1 00211	102 1	S/	Juig, Atoma (Gus)	ᅴ .
	2040 feet from the	North line and	2140 feet i	from the East line	
		iine-and		rom them	'
Section 28		17S Range 29E	NMPM	County Eddy	
	11. Elevation (Show w	hether DR, RKB, RT, GR, et 3565' GR	(c)		
Pit orBelow-grade Tank Application	(For pit or below-grade tank clos		ned)		
Pit Location: ULSectTv	vpRngPit type	Depth to Groundwater	Distance from	nearest fresh water well	
Distance from nearest surface water	r Below-grade Tank L	ocation ULSectT	vpRng	_1	
feet from theline as	ndfeet from the	line			
12 Chec	k Appropriate Box to It	ndicate Nature of Notice	Report or Oth	er Data	
			SEQUENT R		
NOTICE OF PERFORM REMEDIAL WORK	F INTENTION TO: D PLUG AND ABANDON			ALTERING CASING]
TEMPORARILY ABANDON	☐ CHANGE PLANS	COMMENCE D	RILLING OPNS.	PLUG AND ABANDONMENT	ב
PULL OR ALTER CASING	MULTIPLE COMPLETION	CASING TEST CEMENTJOB	AND]	-
OTHER:		OTHER:	Re-Comp	oletion	₫
12 Describe proposed or a	completed exerctions (Clear	ly state all pertinent details,			
		For Multiple Completions: A			_
05/27/2004 Set CIBP @ 10,61	0' w/35' cement cap and	perforate Atoka Zone @ 1	0.380-10.390' 40	holes.	
05/28/2004 RIH w332 joints					and
106,000 SCF of N2.	J		J		
T11			11 1 0		
I hereby certify that the informati grade tank has been/will be constructed	on above is true and completed or closed according to NMOCI	te to the best of my knowledge	e and belief. I furth	er certify that any pit or belo	.₩- ¬
	1 21. 10				_
SIGNATURE Jerry h	1. Irenell		tion Clerk	DATE6/29/04	
Type or print name (This space for State use)		nail address:		The Lands are a NY	_
	ry W. Sherrell E-n	nail address: jerrys@mack	energycorp.com	Telephone No. (505)748-1	 288_
(This space for State use)	ry W. Sherrell E-r	nail address: jerrys@mack	energycorp.com		
APPPROVED BY	POR RECORDS C		energycorp.com	DATE JUN 2 9	

Submit 3 Copies To Appropriate District	State of New	Mexico		Fonn C-103
Office District I	Energy, Minerals and	Natural Resources	f=====	March 4, 2004
1625 N. French Dr., Hobbs, NM 88240 District 11			WELL API NO. 30-015-3320	12
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVAT		5. Indicate Type of Lease	-
District III 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St.			BE 🗌
District IV	Santa Fe, Ni	M 87505	6. State Oil & Gas Lease N	0.
1220 S. St. Francis Dr., Santa Fe, NM 87505			B-514	
	ES AND REPORTS ON WI	ELLS	7. Lease Name or Unit Agr	eement Name
(DO NOT USE THIS FORM FOR PROPOS	ALS TO DRILL OR TO DEEPEN O	R PLUG BACK TO A	1	
PROPOSALS.)	TION FOR PERMIT" (FORM C-1)	11) FUR 3001 - 7	Diamondbacks	State
1. Type of Well:		(3)	8 Well Number	
DIFFERENT RESERVOIR. USE "APPLICATION OF THE PROPOSALS.) 1. Type of Well: Oil Well Gas Well 2. Name of Operator	Other	Agno	1	
2. Name of Operator	T 0	S SECENED	9. OGRID Number	
	Energy Corporation	100 RECEIVE	10. Pool name or Wildcat	
3. Address of Operator	0, Artesia, NM 88211-0960	1	Grayburg; Moi	PPOW
4. Well Location	v, Artesia, Nivi 00211-0900	1/2 0°	Grayburg;wio	110W
4. Well Education		20/01 m of 61	N.C.	
Unit Letter G	2040 feet from the	North line and	2140feet from the	East line
20	450			
Section 28	Township 178		NMPM County	Eddy
	11. Elevation (Show whethe	r DR, KKB, KI, GR, etc 8 565' GR		
Pit orBelow-grade Tank Application (For	_		ed)	
Pit Location: ULSectTwp	Rng Pit type	Depth to Groundwater_	Distance from nearest fresh	water well
Distance from nearest surface water	Below-grade Tank Location	ULSectTw	pRng	
feet from theline and			 -	
12. Check A	ppropriate Box to Indica	te Nature of Notice,	Report or Other Data	
NOTICE OF IN	TENTION TO:	, SUB	SEQUENT REPORT C	OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WOR	RK 🗌 ALTERII	NG CASING 🔲
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DE	RILLING OPNS. PLUG A	ND _
	MULTIPLE	CASING TEST A	AND ABANDO	DNMENT L
PULL OR ALTER CASING	COMPLETION	CEMENTJOB		
OTHER:		OTHER:	Completion	\boxtimes
		L		
or recompletion.	leted operations. (Clearly stat ork). SEE RULE 1103. For M	e all pertinent details, a fultiple Completions: A	nd give pertinent dates, includ ttach wellbore diagram of pro	ling estimated date posed completion
04/24/2004 Drill out DV tool.	10704 10000 271 11 - ****	Tankung 1		-1. J
04/27/2004 RIH perforated from 04/28/2004 Acidized w/2500 gals				ibing.
05/24/2004 Set CIBP @ 10,776'				ninte Y _20 2 7/2"
tubing @ 10,631'.	w/55 tement cap. I ci ivi at	cu 110m 10,070-10,73.	5 , 140 Hules, Kill W/552 J	Omis L-00 2 7/0
05/25/2004 Acidized w/2000 gals	10% w/1790 SCF of N2.			
I hereby certify that the information a	bove is true and complete to the	ne best of my knowledge	and belief. I further certify tha	t any pit or below-
grade tank has been/will be constructed or	closed according to NMOCD guide	lines 🔲, a general permit L	or an (attached) alternative OCD)-approved plan 🗌
SIGNATURE Jerry W.	Shevell TITI	LE Product	ion Clerk DATE	6/28/04
Type or print name Jerry W	Sherrell E-mail ac	idress: jerrys@macke	nergycorp.com Telephone	No. (505)748-1288
(This space for State use)	OR RECORDS ONL	Y		
APPPROVED BY	THE RESERVE OF THE PARTY OF THE			
			DATE	JN 2 9 2004
Conditions of approval, if any:	TITI		DATE	JN 2 9 2004

	State of Ne	w Mexico	Fonn C-103
Office <u>District I</u>	Energy, Minerals and	Natural Resources	March 4, 2004
1625 N. French Dr., Hobbs, NM 88240			WELL API NO. 30-015-33203
District 11 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVA		5. Indicate Type of Lease
District III 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St		STATE S FEE
District IV	Santa Fe, N	IM 87505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505			B-514
	ES AND REPORTS ON W	ELLS	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOS			-
DIFFERENT RESERVOIR. USE "APPLICA" PROPOSALS.)	THON FOR PERMIT" (FORM C-	101) FOR SUCH	Diamondbacks State
1. Type of Well:		RECEIVED	8. Well Number
Oil Well Gas Well	Other	TILOEIVED	1
2. Name of Operator		APR 2 6 7004	9. OGRID Number
	Energy Corporation	OCD APTECL	013837
3. Address of Operator	Atoo!a NIM 90311 004		
4. Well Location), Artesia, NM 88211-090	DU	Grayburg;Morrow
4. Well Location			
Unit LetterG	2040 feet from the	North line and	2140 feet from the East line
Section 28	Township 17S		NMPM County Eddy
	11. Elevation (Show wheth	er DR, RKB, RT, GR, etc, 3 565' GR	
Pit or Below-grade Tank Application (For	sit or helow-grade tank closures		d)
•			Distance from nearest fresh water well
Distance from nearest surface water		•	
feet from theline and		_	J1
			•
12. Check A	ppropriate Box to Indic	ate Nature of Notice,	Report or Other Data
NOTICE OF IN	TENTION TO:	. SUB	SEQUENT REPORT OF:
PERFORM REMEDIAL WORK		REMEDIAL WOR	RK ALTERING CASING
_	_	COMMENCE DR	ILLING OPNS. PLUG AND
TEMPORARILY ABANDON L		CASING TEST A	ARANDONMENT L
PULL OR ALTER CASING	MULTIPLE COMPLETION	CEMENTJOB	
OTHER:		_	
V 11 1611		OTHER:	Spud and Cement Casings
13. Describe proposed or completed op	perations. (Clearly state all pertine	ent details, and give pertinent da	ates, including estimated date
13. Describe proposed or completed or of starting any proposed work). SEE R	perations. (Clearly state all pertine	ent details, and give pertinent da	
13. Describe proposed or completed op of starting any proposed work). SEE R 02/16/2004 Spud @ 6:00 AM.	perations. (Clearly state all pertine ULE 1103. For Multiple Comple	ent details, and give pertinent datails. Attach wellbore diagram	ates, including estimated date of proposed completion or recompletion.
13. Describe proposed or completed op of starting any proposed work). SEE R 02/16/2004 Spud @ 6:00 AM.	perations. (Clearly state all pertine ULE 1103. For Multiple Comple w/13 3/8, 48# H-40 set @ 383',	ent details, and give pertinent dations: Attach wellbore diagram Cemented w/180 sx thickset, t	ates, including estimated date
13. Describe proposed or completed op of starting any proposed work). SEE R 02/16/2004 Spud @ 6:00 AM. 02/17/2004 TD 17 1/2" hole @ 383', RIH @ 10:00 PM 2/16/04. WOC 18 hours tested 02/28/2004 TD 12 1/4" hole @ 4600'.	perations. (Clearly state all pertine ULE 1103. For Multiple Comple w/13 3/8, 48# H-40 set @ 383', 4 casing to 1800# for 30 minutes	ent details, and give pertinent data tions: Attach wellbore diagram Cemented w/180 sx thickset, to, held OK.	ates, including estimated date of proposed completion or recompletion. ail in w/400 sx Class C, 2% CC, circ 84 sx, plug dov
13. Describe proposed or completed op of starting any proposed work). SEE R 02/16/2004 Spud @ 6:00 AM. 02/17/2004 TD 17 1/2" hole @ 383', RIH @ 10:00 PM 2/16/04. WOC 18 hours tested 02/28/2004 TD 12 1/4" hole @ 4600'. 02/29/2004 RIH w/109 joints 9 5/8" 40# j-	perations. (Clearly state all pertine ULE 1103. For Multiple Comple w/13 3/8, 48# H-40 set @ 383', 4 casing to 1800# for 30 minutes 55 set @ 4600', Cemented 1st S	ent details, and give pertinent data tions: Attach wellbore diagram Cemented w/180 sx thickset, to, held OK.	ates, including estimated date of proposed completion or recompletion.
13. Describe proposed or completed op of starting any proposed work). SEE R 02/16/2004 Spud @ 6:00 AM. 02/17/2004 TD 17 1/2" hole @ 383', RIH @ 10:00 PM 2/16/04. WOC 18 hours tested 02/28/2004 TD 12 1/4" hole @ 4600'. 02/29/2004 RIH w/109 joints 9 5/8" 40# j-Poz C, circ 197 sx, plug down @ 8:00 AM 03/01/2004 WOC 12 hours tested casing to	perations. (Clearly state all pertine ULE 1103. For Multiple Comple w/13 3/8, 48# H-40 set @ 383', of a casing to 1800# for 30 minutes 55 set @ 4600', Cemented 1st \$ 2/29/04.	ent details, and give pertinent data tions: Attach wellbore diagram Cemented w/180 sx thickset, to, held OK.	ates, including estimated date of proposed completion or recompletion. ail in w/400 sx Class C, 2% CC, circ 84 sx, plug dov
13. Describe proposed or completed op of starting any proposed work). SEE R 02/16/2004 Spud @ 6:00 AM. 02/17/2004 TD 17 1/2" hole @ 383', RIH @ 10:00 PM 2/16/04. WOC 18 hours tested 02/28/2004 TD 12 1/4" hole @ 4600'. 02/29/2004 RIH w/109 joints 9 5/8" 40# j-Poz C, circ 197 sx, plug down @ 8:00 AM 03/01/2004 WOC 12 hours tested casing to 04/04/2004 TD 7 7/8" hole @ 11204'.	perations. (Clearly state all pertine ULE 1103. For Multiple Comple w/13 3/8, 48# H-40 set @ 383', of casing to 1800# for 30 minutes 55 set @ 4600', Cemented 1st \$ 2/29/04.	ent details, and give pertinent data tions: Attach wellbore diagram Cemented w/180 sx thickset, to, held OK.	ates, including estimated date of proposed completion or recompletion. ail in w/400 sx Class C, 2% CC, circ 84 sx, plug dov
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Conditions of approval, if any:

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-

APPLICATION FOR PERMIT TO DRILL

MACK ENERGY CORP	Operator Name and Address	OGRID Number 13837
PO Box 960 Artesia, NM 88211-0960		API Number 30-015-33203
Property Code	Property Name	Well No.
33350	Diamondbacks State	001

Surface Location

UL or Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
G	28	17S	29E	G	2040	N	2140	Е	Eddy

Proposed Pools

GRAYBURG; MORROW (GAS) 77840

Work Type New Well	Well Type GAS	Cable/Rotary	Lease Type State	Ground Level Elevation 3565
Multiple	Proposed Depth	Formation	Contractor	Spud Date
N	11000	Morrow		02/01/2004

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	350	350	0
Int1	12.25	9.625	40	4500	1900	0
Prod	7.875	5.5	17	11000	2200	0

Casing/Cement Program: Additional Comments

Mack Energy proposes to drill to 350, set 13 3/8 casing and cement. Drill to 4500, run 9 5/8 casing and cement. Drill to 11,000 test Morrow Zone, run 5 1/2 casing and cement. Put well on production. Note: On production string fluid cliper will be run and will figure cement with 25% excess, attempt to circulate.

Proposed Blowout Prevention Program

 Туре	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	

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

Electronically Signed By: Jerry Sherrell

Title: Production Clerk

Date: 01/19/2004

Phone: 505-748-1288

OIL CONSERVATION DIVISION

Electronically Approved By: Bryan Arrant

Title: Geologist

Approval Date: 01/26/2004 Expiration Date: 01/26/2005 Conditions of Approval:

No Conditions

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-33203	Pool Name GRAYBURG;MORROW (GAS)	
Property Code 33350	Property Name Diamondbacks State	Well No. 001
OGRID No. 13837	Operator Name MACK ENERGY CORP	Elevation 3565

Surface And Bottom Hole Location

	UL or Lot G	Section 28	Township 17S	Range 29E	Lot Idn G	Feet From 2040	N/S Line N	Feet From 2140	E/W Line E	County Eddy	-
44 - 444 V M 41 F 844	Dedicat	ed Acres	Joint or	Infill	Consoli	dation Code					

		124	
	44		
30	Project Control		

1			

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Electronically Signed By: Jerry Sherrell

Title: Production Clerk
Date: 01/19/2004

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

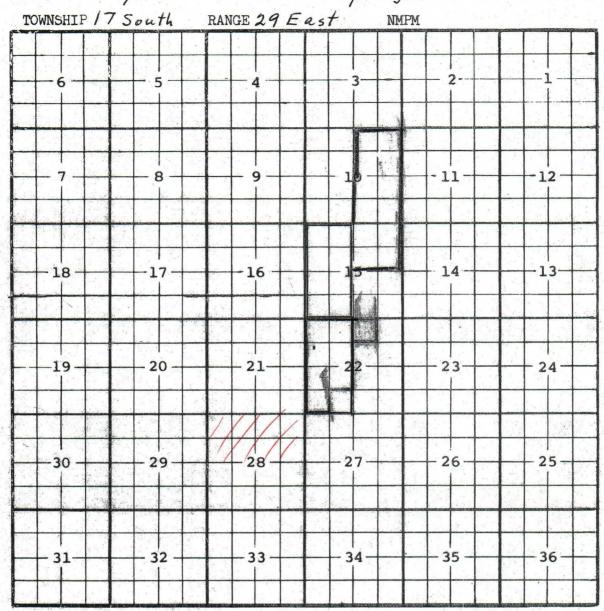
Surveyed By: Ronald Eidson Date of Survey: 02/14/2002 Certificate Number: 3239

Permit Comments

Operator: MACK ENERGY CORP, 13837

Well: Diamondbacks State #001

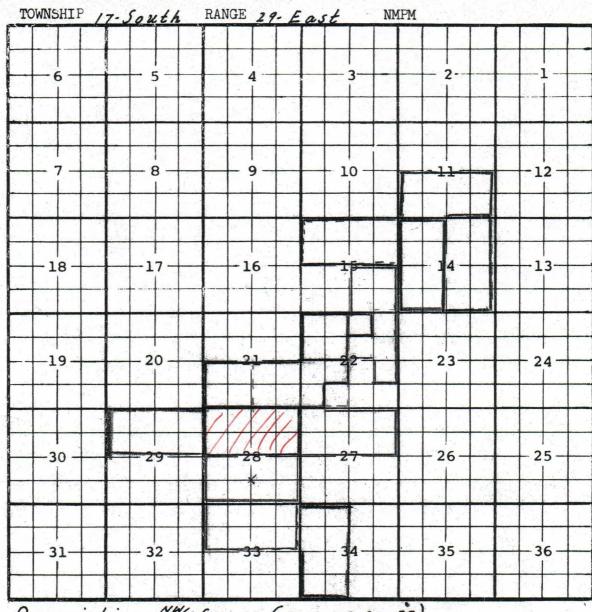
User Name	Comment	Comment Date
JWSHERRELL	H2S content for this well from surface to TD is low enough that a contengency plan is not required.	1/19/2004



NW/4, 1	tion: W/2 5	w/4 5w/4	Sec 22	W/2.	sec a	2 (R-8	892,3
Ext: 8/2 Sec. 10.	NE/4 Sec. 15 (K-18	00,7-16-02)			THE RESERVE OF THE PERSON NAMED IN COLUMN 1		
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Description: 5/2 Sec 28, 5/2 Sec 29 (R-5015, 6-1-75) Ext: 6/2 Gec. 33 (R-11411, 7-16-06) Ext: 6/2 Sec. 34 (A-11908, 2-12-05)							
- A							
	N., 18		*				



BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

CASE NO. 1379 Order No. R-1129

THE APPLICATION OF THE OIL CONSERVATION COMMISSION UPON ITS OWN MOTION FOR AN ORDER CREATING, EXTENDING, CONTRACTING, AND ABOLISHING CERTAIN POOLS IN LEA, EDDY, AND CHAVES COUNTIES, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on February 13, 1958, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 20th day of February, 1958, the Commission, a quorum being present, having considered the testimony presented and the exhibits received at said hearing, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That there is need for the creation of a new poel in Lea County, New Mexico, for the production of gas from the Mississippian formation, said pool to bear the designation Austin-Mississippian Gas Pool. Said Austin-Mississippian Gas Pool was discovered by Phillips Petroleum Company Austin Well No. 1, located in the SW/4 SW/4 Section 17, Township 14 South, Range 36 East, NMPM. It was completed April 7, 1957. The top of the perforations is at 13,194 feet.
- (3) That there is need for the creation of a new pool in Eddy County, New Mexico, for the production of oil from the Abo formation, said pool to bear the designation Empire-Abo Pool. Said Empire-Abo Pool was discovered by Pan American Petroleum Corporation Malco "A" Well No. 1, located in the NE/4 NW/4 Section 11, Township 18 South, Range 27 East, NMPM. It was completed November 6, 1957. The top of the perforations is at 6,014 feet.
- (4) That there is need for the creation of a new pool in Eddy County, New Mexico, for the production of gas from the Atoka formation, said pool to bear the designation Grayburg-Atoka Gas Pool. Said Grayburg-

-2-Case No. 1379 Order No. R-1129

Atoka Gas Pool was discovered by El Paso Natural Gas Company Leonard State Well No. 1, located in the SW/4 NW/4 Section 22, Township 17 South, Range 29 East, NMPM. It was completed November 27, 1957. The top of the perforations is at 10,680 feet.

- (5) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Drinkard formation, said pool to bear the designation Justis-Drinkard Pool. Said Justis-Drinkard Pool was discovered by Tidewater Oil Company A. B. Coats "C" Well No. 8, located in the NW/4 NE/4 Section 24, Township 25 South, Range 37 East, NMPM. It was completed November 23, 1957. The top of the perforations is at 5,930 feet.
- (6) That there is need for the creation of a new pool in Lea County, New Mexico, for the production of oil from the Devonian formation, said pool to bear the designation Sand Springs-Devonian Pool. Said Sand Springs-Devonian Pool was discovered by Sinclair Oil & Gas Company State Lea 840 Well No. 1, located in the SW/4 SW/4 Section 1, Township 11 South, Range 34 East, NMPM. It was completed November 23, 1957. The top of the perforations is at 13,115 feet.
- (7) That there is need for the creation of a new pool in Eddy County, New Mexico, for the production of oil from the Delaware formation, said pool to bear the designation Welch-Delaware Pool. Said Welch-Delaware Pool was discovered by El Paso Natural Gas Company Welch Well No. 2, located in the NW/4 NW/4 Section 21, Township 26 South, Range 27 East, NMPM. It was completed November 26, 1957. The top of the perforations is at 2,105 feet.
- (8) That there is need for certain extensions to the Penrose-Skelly Pool, the Crosby-Devonian Gas Pool, the South Eunice Pool, the Four Lakes-Devonian Pool, the Reeves-Pennsylvanian Pool, and to the Tubb Gas Pool, all in Lea County, New Mexico, to the Square Lake Pool, the Dos Hermanos-Yates Seven Rivers Pool, and the West Lusk Pool, all in Eddy County, New Mexico, and to the Caprock-Queen Pool in Lea and Chaves Counties, New Mexico. Further, that there is need for deleting certain acreage from the Arrowhead Pool in Lea County, New Mexico, inasmuch as that acreage has proven unproductive and further, inasmuch as the Anderson Pool in Eddy County, New Mexico, has the same vertical limits as the Square Lake Pool, that the said Anderson pool should be abolished and the acreage included therein should be included in the Square Lake Pool. Further, that the proposed extension to the Townsend-Wolfcamp Pool, and a portion of the deletion from the Arrowhead Pool in Lea County, New Mexico were advertised in error and should therefore be dismissed.

IT IS THEREFORE ORDERED:

(a) That a new pool in Lea County, New Mexico, classified as a gas pool for Mississippian production, be and the same is hereby created and designated as the Austin-Mississippian Gas Pool, consisting of the following described area:

Case No. 1379 Order No. R-1129

TOWNSHIP 14 SOUTH, RANGE 36 EAST, NMPM Section 17: SW/4

(b) That a new pool in Eddy County, New Mexico, classified as an oil pool for Abo production, be and the same is hereby created and designated as the Empire-Abo Pool, consisting of the following described area:

TOWNSHIP 18 SOUTH, RANGE 27 EAST, NMPM Section 11: NW/4

(c) That a new pool in Eddy County, New Mexico, classified as a gas pool for Atoka production, be and the same is hereby created and designated as the Grayburg-Atoka Gas Pool, consisting of the following described area:

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM Section 22: NW/4

(d) That a new pool in Lea County, New Mexico, classified as an oil pool for Drinkard production, be and the same is hereby created and designated as the Justis-Drinkard Pool, consisting of the following described area:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM Section 24: NE/4

(e) That a new pool in Lea County, New Mexico, classified as an oil pool for Devonian production, be and the same is hereby created and designated as the Sand Springs-Devonian Pool, consisting of the following described area:

TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM Section 1: SW/4

(f) That a new pool in Eddy County, New Mexico, classified as an oil pool for Delaware production, he and the same is hereby created and designated as the Welch-Delaware Pool, consisting of the following described area:

TOWNSHIP 26 SOUTH, RANGE 27 EAST, NMPM Section 21: NW/4

(g) That the Arrowhead Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby contracted by the following described area:

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM

Section 24: All Section 25: E/2

and further, that the proposed deletion of the following described area

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM Section 26: NE/4 NE/4

he and the same to however dismissed

(h) That the Penrose-Skelly Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM

Section 24: E/2

Section 25: NE/4 and E/2 SE/4

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM

Section 19: W/2

Section 30: NW/4 and W/2 SW/4

(i) That the Anderson Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, and consisting of the following described area:

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM

Section 1: S/2

Sections 2, 3, 10, 11, and 12: All

Section 13: N/2

Section 14: N/2

Section 15: NE/4

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM

Section 6: SW/4

Section 7: N/2

be and the same is hereby abolished.

(j) That the Square Lake Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 16 SOUTH, RANGE 29 EAST, NMPM

Section 36: S/2 S/2

TOWNSHIP 16 SOUTH, RANGE 30 EAST, NMPM

Section 31: S/2

Section 32: SW/4

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM

Sections 1, 2, 3, 10, 11, and 12: All

Section 13: N/2

Section 14: N/2

Section 15: NE/4

TOWNSHIP 17 SOUTH, RANGE 30 EAST, NMPM

Section 5: W/2

Section 6: All

Section 7: N/2

(k) That the Caprock-Queen Pool in Lea and Chaves Counties, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 14 SOUTH, RANGE 31 EAST, NMPM Section 17: W/2 SW/4

(1) That the Crosby-Devonian Gas Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM Section 20: SE/4
Section 33: SW/4

(m) That the Dos Hermanos-Yates-Seven Rivers Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 20 SOUTH, RANGE 30 EAST, NMPM Section 28: S/2 SE/4

(n) That the South Eunice Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM Section 33: SE/4
Section 34: SW/4

(o) That the Four Lakes-Devonian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 11 SOUTH, RANGE 34 EAST, NMPM Section 35: SE/4

(p) That the West Lusk Pool in Eddy County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 19 SOUTH, RANGE 31 EAST, NMPM Section 23: NW/4

(q) That the Reeves-Pennsylvanian Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 18 SOUTH, RANGE 35 EAST, NMPM Section 14: SE/4

Section 23: N/2

(r) That the proposed extension to the Townsend-Wolfcamp Pool in Lea County, New Mexico, to include therein:

and graphy and

TOWNSHIP 16 SOUTH, RANGE 36 EAST, NMPM Section 6: Lots 9, 10, 11, 14, 15, and 16

be and the same is hereby dismissed.

(s) That the Tubb Gas Pool in Lea County, New Mexico, as heretofore classified, defined, and described, be and the same is hereby extended to include therein:

TOWNSHIP 21 SOUTH, RANGE 37 EAST, NMPM Section 14: SE/4

IT IS FURTHER ORDERED:

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That the effective date of this order and of all the creations, abolitions, contractions and extensions included herein shall be March 1, 1958.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

graphed work and all the data of EDWIN L. MECHEM, Chairman

MURRAY E. MORGAN, Member

A. L. PORTER, Jr., Member & Secretary

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BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

> CASE No. 4529 Order No. R-4137

NOMENCLATURE

APPLICATION OF EL PASO NATURAL GAS COMPANY FOR 320-ACRE SPACING, EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on April 28, 1971, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 6th day of May, 1971, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, El Paso Natural Gas Company, seeks 320-acre spacing for the Grayburg-Atoka Gas Pool, Eddy County, New Mexico.
- (3) That by Order No. R-1129, dated February 20, 1958, the Grayburg-Atoka Gas Pool, Eddy County, New Mexico, was created and classified as a gas pool for Atoka production.
- (4) That the discovery well for the Grayburg-Atoka Gas Pool is producing from the Morrow formation rather than the Atoka formation.
- (5) That the Grayburg-Atoka Gas Pool should be redesignated the Grayburg-Morrow Gas Pool.

- (6) That by Order No. R-2707, dated May 25, 1964, Rule 104, of the New Mexico Oil Conservation Commission Rules and Regulations was amended in order to provide for 320-acre spacing for gas pools in Lea, Chaves, Eddy, and Roosevelt Counties of Pennsylvanian age or older and created and defined after June 1, 1964.
- (7) That said Order No. R-2707 found that in Lea, Chaves, Eddy, and Roosevelt Counties, New Mexico, a gas well completed in the Pennsylvanian formation or a deeper formation will efficiently and economically drain and develop a 320-acre tract.
- (8) That the Morrow formation is a part of the Pennsylvanian formation.
- (9) That, in the absence of evidence to the contrary, as prescribed by the notice of this case, the Commission finds that one well can efficiently and economically drain and develop 320 acres in the subject gas pool.

IT IS THEREFORE ORDERED:

- (1) That, effective immediately, the Grayburg-Atoka Gas Pool is hereby redesignated the Grayburg-Morrow Gas Pool.
- (2) That effective immediately, the Grayburg-Morrow Gas Pool, Eddy County, New Mexico, shall be governed by all Commission Rules and Regulations applicable to gas pools in Lea, Chaves, Eddy, and Roosevelt Counties of Pennsylvanian age or older the same as if the subject pool had been created and defined by the Commission after June 1, 1964.
- (3) That any well presently drilling to or completed in the Morrow formation within the Grayburg-Morrow Gas Pool or within one mile of the Grayburg-Morrow Gas Pool that will not comply with the well location requirements governing gas pools in Lea, Chaves, Eddy, and Roosevelt Counties of Pennsylvanian age or older created and defined after June 1, 1964, is hereby granted an exception to such location requirement. The operator shall notify the Artesia District Office of the Commission in writing of the name and location of the well on or before June 1, 1971.
- (4) That, pursuant to Paragraph A. of Section 65-3-14.5, NMSA 1953, contained in Chapter 271, Laws of 1969, existing wells in the Grayburg-Morrow Gas Pool shall have dedicated thereto

-3-CASE NO. 4529 Order No. R-4137

320 acres in accordance with the foregoing pool rules; or, pursuant to Paragraph C. of said Section 65-3-14.5, existing wells may have non-standard spacing or proration units established by the Commission and dedicated thereto.

Failure to file new Forms C-102 with the Commission dedicating 320 acres to a well or to obtain a non-standard unit approved by the Commission within 60 days from the date of this order shall subject the well to cancellation of allowable. Until said Form C-102 has been filed or until a non-standard unit has been approved, and subject to said 60-day limitation, each well presently drilling to or completed in the Grayburg-Morrow Gas Pool or in the Morrow formation within one mile thereof shall receive no more than one-half of a standard allowable for the pool.

(5) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

BRUCE KING, Chairman

ALEX J. ARMIJO, Member

A. L. PORTER, Jr., Member & Secretary

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