Form 3160-5 (April 2004)

DEPARTMENT OF THE INTERIOR

1&E-CFO

FORM APPROVED OM B No. 1004-0137 Expires: March 31, 2007

PLUGUING

SUNDRY Do not use th	Lease Serial No. NMLC058362 If Indian, Allottee or Tribe Name								
	ell. Use Form 3160 - 3				7. If Unit or CA/	Agreement, Name a	ınd/or No.		
SUBMIT IN TRI	7. If Unit or CA/Agreement, Name and/or No. NMNM111789X								
Oil Well	8. Well Name and Dodd Feder		5						
2. Name of Operator Marbob Ener	rgy Corporation				9. API Well No	<u> </u>			
3a. Address PO Box 227, Artesia, NM 882	a code)	30-015-0295 10. Field and Pool	, or Exploratory A	rea					
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Description	7)			<u> </u>	Grbg Jackson SR Q Grbg SA 11. County or Parish, State			
330 FSL 330 FEL, Sec. 11-T17	'S-R29E, Unit P				Eddy Co., NM REPORT, OR OTHER DATA 3				
12. CHECK AF	PPROPRIATE BOX(ES) 1	TO INDICATE	NATURE (OF NOTICE, R	REPORT, OR OT	HER DATA	601		
TYPE OF SUBMISSION			TYPE (OF ACTION		/2	- 199 C		
Notice of Intent Subsequent Report Final Abandonment Notice	Acidize Alter Casing Casing Repair Change Plans Convert to Injection	Deepen Fracture Tre New Const Plug and Al Plug Back	truction	Production (St. Reclamation Recomplete Temporarily Al Water Disposal	bandon	Water Shut-Diff Well Integrition Other	4 25 26 25 PECF		
If the proposal is to deepen dired Attach the Bond under which the following completion of the invitesting has been completed. Find determined that the site is ready Plug and abandon as follow Notify BLM 24 hours beform 1. POOH w/ pkr & tbg. 2. Shoot 4 sqz holes @ 895 3. Set CIBP on tbg @ 2450 per 100 bbs of salt gel (apper 4. Pull tbg to 745'. Pumper WOC a couple of hours & 5. Shoot 4 sqz holes @ 525 fill the well from 525' to 42 6. Shoot 4 deep penetrating 8 5/8" x 5 1/2" annulus & 67. Cut wellhead & csg off above ground level. 8. Cut off anchors & reclated the state of the	ne work will be performed or prolyed operations. If the operational Abandonment Notices shall for final inspection.) ws: re starting plugging operations: i' (50' below base salt @ 84: b'. Spot 10 sx Class "C" new 35 bbls csg volume). 45 sx Class "C" + 2% CaC tag cmt w/ tbg. i' (50' below 8 5/8" shoe @ 5' w/ cmt. WOC a couple of g sqz holes @ 200' (above coutside 8 5/8" to fill well from the start of the system of	ovide the Bond No. on results in a multibe filed only after a sion. 5'). 12 to the end of the state of the tag alculated TOC both to surfaction.	cibp. Pull of the tbg (placifies X Class "C" plug. ehind 8 5/8" e w/ cmt.	SEE AI DITEO The properties of the properties	red subsequent reports in a new interval, a Fonation, have been compared to the compared to th	shall be filed withing 3160-4 shall be pleted, and the open of the pleted of the plete	n 30 days filed once rator has d w/ 25 sx d csg. annulus to " csg & up		
Name (Printed/Typed) Diana J. Briggs	going is true and correct		Title Produ	ction Analyst	ENTER	red In Mss			
Signature In a	Duca	2	Date	0	06/13/2006	· · · · · · · · · · · · · · · · · · ·			
,	THIS SPACE FOR	FEDERAL							
Approved by Alexander and Approved by Alexander and Conditions of approval, if any, are at certify that the applicant holds legal of			or	IOLEUM E	NGINEER Date	JUN 1 9	2006		

which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to anymatter within its jurisdiction.

Form 3160-13 [April 1993)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT



INSPECTION RECORD - ABANDONMENT

Lease No./Unit/CA State District CARLSBAD FIELD OFFICE						Field Area SQUARE LAKE								
Well Name: Well Number: DODD FEDERAL UNIT 12							Hazard? No							
API No. Location 1/4, 1/4, S-T-R (Lat/Long) 300150295000S1 SESE 11 17S 29E								Spud Date 09/17/1958	1 · K					
	or/Representa OB ENERGY (TION			1	^	actor/Represent			L			
Well Ty	pe: (Circle C)ne)	Dry Hole		Depleted Pr		Serv		Water Well	Etc.	NJ L	leu		
INSP. TYPE	ACT. CODE				OPEN CLOSED DATE DATE			OFFICE TIME	TRAVEL TIME	I		TRIP	PS	
20	PD	CAR	EQ		10-24-06	10-2	6.06		2					
	HS													
				PLU	JGGING OP	ERATI	ONS					WITNESSED		
4 Dive	s spotted ac	roog porfe	arations if o	noina aot	2						YES	NO	N/A	
	s spotted at			asing set	<u> </u>					·····	7		1	
_	n hole plugs			?							-			
4. Reta	ainers, bridge	e plugs, o	r packers se	et as spe	cified?						1			
	nent quantitie										7			
6. Method of verifying and testing plugs as specified?									7					
7. Pipe withdrawal rate satisfactory after spotting plugs?									ļ					
8. All annular spaces plugged to surface? 9. INC issued?									1	 				
Plug Te	sted: If tested,		No (s):		Pressured		Tagg				<u> </u>		<u> </u>	
Bottom	Plug: Type Plu			···	Depth(s)			A	mount of Cement					
Stub Plug: Type Plug Depth(s) Amount of Cement														
Intermediate Plug: Type Plug Depth(s) Amount of Cement														
Surface Shoe Plug: Amount of Cement Top of Plug														
Other: T	ther: Type of Plug Depth(s) Amount of Cement													
Cement	and mechanical	l plug placer	nent data(attac	ch service o	company report,	if availab	le):							
Remarks):								Ac	cept N	ed fo	or rec	ord	

BALANCE PLUG PROGRAM

		CALCULA	TION			
	Size	Weight	cf/lf	lf/cf	bbl/ft	ft/bbl
Hole/Casing						
Casing		1				
Tubing/D.P.	-					
Annular Volume						
Plug Set at		Size of Plug			<u>I</u>	<u></u>
H ₂ O Ahead					Additions	
H ₂ O Req:	g	al/sk		cf/sk		
Slurry Wt:		lbs/gal	I	bs/cf		
Slurry Vol:		cf/sk				
CEMENT VOLUME	ES:		cf_			bbls
Hole cap (cf/l	f) x size of pl	ug = cf x . 1781	= bbls			
SACKS OF CEMEN	T:		sk	S		
` '	/ slurry vol (c	•				
MIXING H ₂ O REQU				bbls		
	-	sk = gallons / 4				
H ₂ O BEHIND:					/D D (111/0)	
Annular vol (f DISPLACEMENT: _		head =		x tubing/	D.P.(bbl/ft)	
		bl/ft) =			tuhing volume	
	UJ. I. CU gilloui				tubing volume	
	T - 2:	CALCULA		10/ 0	T ::://	T 2211
	Size	Weight	cf/lf	lf/cf	bbl/ft	ft/bb1
Hole/Casing						
Casing						
Tubing/D.P.						
Annular Volume			***************************************			
Plug Set at	·	Size of Plug				
H ₂ O Ahead	bbl	Cement Class			Additions	
H ₂ O Req:	ga	ıl/sk		_ cf/sk		
Slurry Wt:		lbs/gal	18	os/cf		
Slurry Vol:		cf/sk				
CEMENT VOLUME	S:		cf_			bbls
- ·	-	ug = cf x . 1781				
SACKS OF CEMENT			sks	3		
Cmt vol (cf)		-				
MIXING H ₂ O REQUI				_ bbls		
	•	sk = gallons / 42				
H ₂ O BEHIND:						
Annular vol (ft	-			x tubing/	D.P.(bbl/ft)	
DISPLACEMENT: _						
Top of plug x t	tubing/D.P.(bl	bl/ft) =		1	tubing volume	

PRIORITY REMARKS

SUNDRY(ABD): NOI TO P+A

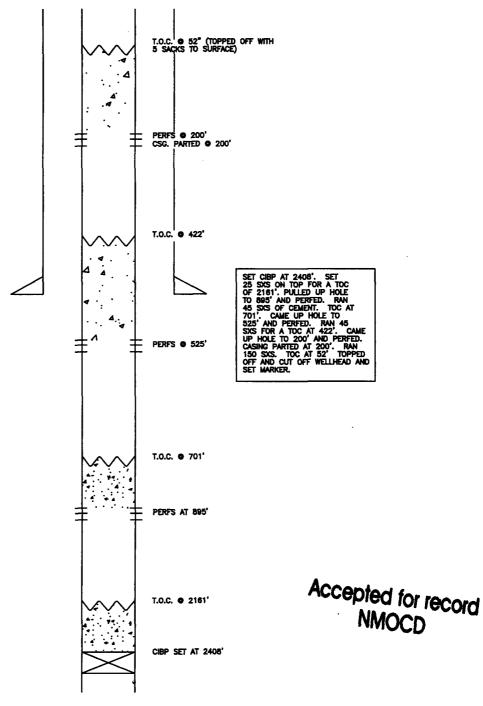
Accepted for record NMOCD

B	ALANCED PLUG WORK	SHEET FOR SINGLE DIAM	IETER PLUGS
WELL INFORMATION_M	albob Dodd A	七日 时 2 10-24-1	06
		BLM REQUIRED MINIMUM	SACKS 25
HOLE/PIPE SIZE	4.892 INCHES	HOLE/PIPE CAPACITY	0.1305 CUFT./FT.
PLUG LENGTH	100 FEET		
PLUG DEPTH	2408 FEET	ANNULAR VOLUME	0.0998 CUFT./FT. 0.0178
WORKSTRING	2.375 INCHES		AV AV 2
WORKSTRING WT.	4.7 LBS./FT.	WORKSTRING CAPACITY	0.0217 CUFT./FT. 0.003866
CEMENT TYPE	CLASS		WS. CAP. WS CAP 2
CEMENT YIELD	1.32 CUFT./SX	PREFLUSH LENGTH	FEET
MIX H2O	6.32 GALS./SX	SPACER LENGTH	FEET
ID WORKSTRING	1.995	ACTUAL CMT. USED	SACKS
A. HOW MUCH CEME	_		
100	FT. PLUG X	0.1305	CUFT./FT.=13.05_CUFT.
PLUG LENGTH		HOLE/PIPE CAPACITY	(A)
B. HOW MANY SACKS			0.00
13.05 CUFT.	÷ 1.32	CUFT./SACK =	9.89 SACKS
(A)	CMT. YLD		C.4 :::) 25.00 04.0V0
	BACK TO CUBIC FEE	(MINIMUM PER O.O. #2,III.(G.1.iii) <u>25.00</u> SACKS (B)
25.00 SACKS	X 1.32	CUFT./SACKS =	33.00 CUFT.
	CMT. YLD		(C)
(B) D. HOW MANY BARRI			(C)
33.00 CUFT.	X 0.1781	BBLS CUFT. =	5.88 BBLS CMT.
(C)	CONSTAN		TO PUMP
E. HOW MUCH MIX W			1010411
25.00 SACKS	X 6.32	GALS./SACK ÷ 42 G	SAL/BBL = 3.76 BBLS
(B)	MIX H2O		
	T./FT. + 0.0217 WS. CAP.	ISIDE AND OUTSIDE OF TH CUFT./FT. = CUFT./FT. =	0.1215 CUFT./FT. AV + WS CAP. 271.68 FEET (D)
		O SPACER WILL BE USED?	
0 FT. PL**	X 0.0178 E	BBLS/FT IN ANNULUS =	0.00 BBLS.
0 FT. SL**	X 0.0039 E	BBLS/FT IN WORKSTRING =	0.00 BBLS.
	ENGTH **SL=SPACER	LENGTH	
		T WILL BE NEEDED TO BAI	LANCE THE PLUG?
271.68 FT.	+ 0F	T. =	271.680 FEET
(D)	SL SL		D + SL
	FT 271.680 F	T. X 0.0039	9 BBLS/FT. = 8.259 BBLS TO
PLUG DEPTH	D + SL	WS CAP. 2	DISPLACE
1200 521 111	D - 0L	WO OALL	DIOI EAGE
WHAT IS THE HEIG	HT OF THE CEMENT W	TH THE WORKSTRING OU	T OF THE PLUG?
33.00 CUFT.		305 CUFT./FT.	= 252.83 FEET
(C)		CAPACITY	(E)
J. WHERE WILL THE			
2408 PLUG DEPTH	FT. – [(E) FT. Accep	ted for record

Marbolo Fr # 12 Dodd Fed

10-25-06

Balanced Plug Work S	Sheet for Single Diamete	r Plugs		
Hole/Pipe Size 7.875 Plug Length 50 Plug Depth 525	inches Hole/Pipe feet Annular	1772	cuft/ft > .0 3 1 b cuft/ft .0309 b	bls/ft
Workstring 2.315 Workstring Wt. 4.7	inches Ibs/ft Workstring C	Capacity .0217 c	av 2 cuft/ft .00387 b	DIs/ft
Cmt. Type Cmt. Yield Mix H2O L:32 L:32	Class cuft/sx Preflush le	_	Ws cap.2 feet feet	
1. How much cement is need 50 ft plug X	. 3382 cuft/ft :	= 16.91	62,0156 cuft 31.76	-30.25 5l
2. How many sacks is that? 16 91 cuft ÷	1305 L.32 cuft/sx	1/.	3.613 sxs	
ROUND UP TO THE NEXT H	HIGHEST 5 SACKS	0) 15	sxs	•
3. Convert sacks back to cut sxs X B 10 X 1.32	1.32 cuft/sx	= 19.8 c	ouft 13,2	
4. How many barrels of cem	nent slurry? 0.1781 bbls/cuft Constant	= 3.5264 bt	bls cement to pump	
5. How much mix water will sxs X	be needed? 94.8 6:32 gals/sx ÷ 42 g Mix H20 & 3.4	al/bbl = 2.25 1.986	bbls 414	
13.2	cement inside outside of the	workstring in feet?	1 <i>989</i> cuft/fit	
19.8 cuft ÷	Ws cap.	AV + Ws cap.	ft	1
7. How many barrels of prefi	• •		Aa	
PL preflush length ft X	AV 2 bbls/ft in annulu	s =	bbls AC	cepted for record
SL spacer length 8. How many barrels of disp	Ws cap.2	28 66.4		-
101 664 ft + 525 ft -	SL spacer length ft = St. spacer length ft X	01 D+SL	ft ols/ft = 1.64 bbist	o dist
Plug Depth 475-66	J D+SL 408.6	Ws cap.2	1.4	·
9. What is the height of the c	.3382 cuft/ft =		ft	
10. Where will top of cement	,1305 .3077 4	2.89		
525 ft - Plug Depth 475 - 42.	89 /201	466.3 1) CAL	# BELOW SHOE CALL G'ABOVE SI), 1015
413 40.	450.1	STAG	•	- V
		25 42	23.11	



MARBOB DODD FEDERAL #12

SEC11 17S 29E