FQRM 3160-4 (July 1992)

UNITED STATES DEPARTMENT OF THE INTERIOR

Solutions of Expires: February 28, 1995

Hobbs, Number 328

Hobbs, Num

		BUF	REAU O	F LAN	D MAN	AGE	MENT							NM-9624	19	·
WELL	COMF	LE.	TION (OR RE	ECOMI	PLE	TION	RE	EPORT A	ND L	OG	l l	i. IF INDIA	N, ALLOTTE	OR 1	RIBE NAME
1a. TYPE OF WOR		*.											. UNIT AC	REEMENT N	AME	
			OII WELI	ال ال	GA		DRY	厂]							
1b. TYPE OF WEL	L		WELI	ب	WELI	Ч	J	_	Other	r	·					
NEW	WOR	к	1	\Box	PLUC	G	DIFF	_	1			1	B. FARM O	R LEASE NAN	Œ, WI	ELL NO.
WELL[X]	OVE		DEEPEN		BACI		RESVR		Other	<u> </u>		K	lukui "3	1" #1		
2. NAME OF OPERAT													. API WEL			
Ocean Energy 3. ADDRESS AND TEL		`								· .			0-025-3			
1001 Fannin,			louston	TX 77	002 (71:	3) 26	5-6834 o	rC	713) 265-60	വ		1	D. FIELD A Iorton:I	ND POOL OR	WILD	CAT
4. LOCATION OF V	VELL (Repo	rt locat	ions clearly	and in acc	ordance with	any S	tate requirem	ents	s.*)						OCK	AND SURVEY
			0' FEL of			-	•		•				OR AREA			
At top prod. Interval		ow										s	ec. 31,	T14S, R35	E, L	ot B
At total depth					14. PERMIT	ΓNO.			DATE ISSU	ED		12	COUNTY	OR PARISH		13. STATE
Same)				35861				3/7/02			1.	ea			NM
15. DATE SPUDDED 4/1/02	16. DATE T. 5/20/02	.D. REA	CHED	17. D.	ATE COMPL.	(Ready	to prod.)		18. ELEVATION						19.	ELEV. CASINGHEAD
20. TOTAL DEPTH, MI			21. PLUG, B	ACK T.D. N	MD & TVD		22. IF MULTI	PI F	COMPI	4048'		GR POTAR	Y TOOLS	٠,		CABLE TOOLS
•			 	TD			HOW MA			DRILL			I TOOLS			CABLE TOOLS
13560' мр			13467	MD		TVD			one		>	1 1.	3560'			
24. PRODUCING INTE			OMPLETION	NTOP, BO	TTOM, NAME	E (MD)	AND TVD)*			•						WAS DIRECTIONAL SURVEY MADE
13215-13253' - N	nesa Mor	row														No
26. TYPE ELECTRIC A		LOGS R	UN												27.	WAS WELL CORED
Triple Combo, F	RFT											-				No
23. CASING SIZ	E/GD A DE		WEIGHT	TD/CT	DED	CAS TH SE		RD	(Report all strin				1 mm mm 10		_	
20"	<u> </u>		WEIGHT		40'	111 32	I (IVID)	_	36"	Surface		CEMENT, CE di-mix	MENTING	KECOKD	╫	AMOUNT PULLED
13-3/8" H-40			48#		450'			_	17-1/2"			sx Cl C			╈	
8-5/8" HCK-55			32#		6248'				13-3/8"	surface	/277	'5 sx 35:6	5:5 & C	I C	╅	
5-1/2" P-110 LT	<u> </u>		17#		13560'				7-7/8"	TOC 80	007	1425 sx S	Super C	& H		
29.				IER REC					30.			TUBING RECORD				
SIZE	1	OP (MI	<u>)) </u>	BOTT	OM (MD)	SA	CKS CEMENT	*	SCREEN (MID)	SIZE	4		EPTH SET	(MD)	_	PACKER SET (MD)
									ļ	2-7/8"	\dashv	13152'			13	152'
31. PERFORMATION	BECOPD (I	stervel	size and num	har)				-	32.	ACID		E EDACTI	IDE CE	AENTE COLU		NIMO.
INTERVAL	necond (ii	itei vai,	nze and num	uei y	SIZE		NUMBER	ı	DEPTH INTE					MENT SQUI ND KIND OF I		·
13215-13219'					0.46"		4' @ 4 SP			TOUZ,			RRE		VIAIR	RIAL USED
13230-13238'					0.46"		8' @ 4 SP				+	-010	A KF	CORD		
13246-13253'					0.46"		7' @ 4 SP			<u> </u>						
12 *	-	···									ШÌ	21	2000	1 5		
33.* DATE FIRST PRODUCT		Т							ODUCTION	1		- 1	2002		<u> </u>	
6/27/02	ION		PRODUCTION Flowing	ON METHO	D (Flowing, ga	as lift, p	oumping-size a	nd ty	ype of pump)	<u> </u>	101			1 1		oducing or shut-in)
DATE OF TEST		7	RS TESTED	снок	E SIZE	PROD	o'n. for		OIL-BBLS.	GAS MCF	OLE	GOUR UM EN	ATER BBI	Producin	~ 	S-OIL RATIO
7/5/02		24				TEST	PERIOD>		50	1392		1	DINEEL	3		్ స్ట్ర 27840
FLOW. TUBING PRESS		CASI	NG PRESSUR		ULATED UR RATE		OIL-BBL.		GASMCF			WATER-B	BL.	OIL GRAVIT	Y-API	
1450		İ			>	- [50		1392				0	130	46	1-3-3
34. DISPOSITION Sold	N OF GAS	(Sold	, used for	fuel, ven	ted, etc.)					····			EST WI' ary Ken	TNESSED	BY	
5. LIST OF ATTACHM Wellbore sche		oas	inclinati	on ren	ort sund	dry n	notice							•		**
6. I hereby certify that	at the forego	ing and	attached in	formation i	s complete a	nd cor	rect as determ	nine	d from all availa	ble records						
SIGNED	tmio,	m	non	Illa			TITLE		Sr. Regulato			et		DATI	r	7/13/3003
7 7 7		<u> </u>	<u> </u>				LE			. , opec	<i>-u11</i> 3			. DATI	' —	7/12/2002

*(See Instructions and Spaces for Additional Data on Reverse Side)

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



37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and 38. **GEOLOGIC MARKERS** recoveries); FORMATION TOP воттом DESCRIPTION, CONTENTS, ETC. TOP Rustler 1830' NAME TRUE Yates 3005' MEAS. DEPTH VERT. DEPTH San Andres 4543' Glorieta 6238' Tubb 7437' Abo 8370' Wolfcamp 9750' Cisco 10780' Canyon 11840' Strawn 11970' Atoka 12410' Morrow 13030' Mississippian 13432'

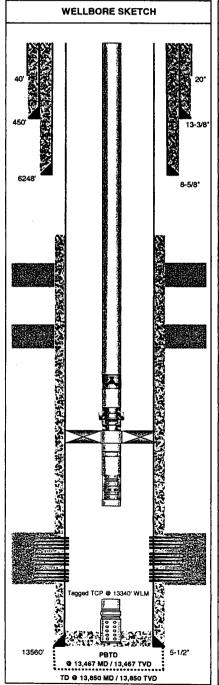


OPERATOR: LEASE / WELL: WELL SKETCH: SURVEY LOCATION: Sec. 31 - T14S - R35E OCEAN ENERGY, INC. **KUKUI 31-1 CURRENT COMPLETION** DRILLING RIG: GREY WOLF 33 COUNTY/STATE: SURFACE LOCATION: FIELD: LEA COUNTY, NEW MEXICO 1290' FNL & 1980' FEL NORTH MORTON COMPLETION RIG: LUCKY

| DRILLING / COMPLETION FLUID
| DRILLING FLUID: 9.50 ppg - (Wolfcamp "E")
| DRILLING FLUID: 9.20 ppg - (Brunson / Aloka)
| DRILLING FLUID: 9.30 ppg - (MESA / Morrow)
| COMPLETION FLUID: ppg | PACKER FLUID: 8.60 ppg - 2% KCI

TUBULAR DATA										
Tubulars	Size	Weight	Grade	Thread	MD	TVD	TOL			
DRIVE PIPE										
CONDUCTOR	20.000				40	40				
SURFACE	13.375	48.000	H-40	STC	450	450				
INTERMEDIATE	8.625	32.000	K-55	LTC	6,248	6,248				
PRODUCTION	5.500	17.000	P-110	LTC	13,560	13,560				
PROD TIEBACK										
PROD LINER										
PROD LINER										
TUBING (Short String)										
TUBING (Long String)	2.875	6.500	L-80	EUE 8rd	13146'	13,146				
TUBING (Long String)										

WEI	LHE	AD DATA				
TYPE	WOOD GROUP					
WP		5,000 psi				
Т _	FLANGE:					
H C	2-9/16" 5M					
1 5 6	THREAD:					
E	2-7/8" 8rd					
UBING HAN	IGEA:	TC-1W7-1/16" x 2-7/8"				
BTM FLA	NGE:	7-1/16"				
BPV PRO	FILE:	2-1/2"				
ELEVATION	ONS:	GROUND				
RKB-THF:	4025	ELEVATION				
RKB-ELEV:	25'	4048'				



	CRIPTION			ID	OD	LENGTH	DEPTH MD
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			_				
							,
Calculated TOC @ 8000' RKB							
	·						
WOLFCAMP "E" SAND (10516	' - 10566	5')					
DOUBLEON (ATOMA) CAND (11	20001 1						
BRUNSON (ATOKA) SAND (12	5830 T	2934')					
DRUNGUN (ATUKA) SANU (1)	2890 - 1	2934')					
DRUNGUN (ATUKA) SAND (1)	2890' - 1	2934')		125	,26272	25	
Marker Sub 6.02' x 2-7/8", L-80, EUE 8				<u>02.441</u>	2.875	3 5	13,111
	3rd Pup Joir				2.875 2.875	6:02	13,111
Marker Sub 6.02' x 2-7/8", L-80, EUE 8	Brd Pup Joir Joint	nt	-	2.441 2.313	2.875 2.875 4c600	6.02 32.56 1.65	13,144
Marker Sub 6.02' x 2-7/8", L-80, EUE 8 32.56' x 2-7/8", L-80, EUE 8rd Tubing	Brd Pup Joir Joint 2.313" ID "F	nt " Profile Nipple	-4-4	2.441 2.313	2.875 2.875	6.02 32.56 1.65	13,144
Marker Sub 6.02' x 2-7/8", L-80, EUE 8 32.56' x 2-7/8", L-80, EUE 8rd Tubing weatherford Type T-2 On-Off Tool w/ 2	Brd Pup Joir Joint 2.313" ID "F able Produc	nt " Profile Nipple	É	2.441 2.313	2.875 2.875 4c600	32.56, 1.65	13,144
Marker Sub 6.02' x 2-7/8", L-80, EUE 8 32.56' x 2-7/8", L-80, EUE 8rd Tubing Weatherford Type T-2 On-Off Tool w/ 2 Weatherford 10K Arrowset 1-X Retriev	Brd Pup Joir Joint 2.313" ID "F able Produc	nt " Profile Nipple	13027	2.441 2.313 2.375	2.875 2.875 4.600 2.875 2.875	32.56 1.65 6.23 10.03	13,144
Marker Sub 6.02' x 2-7/8", L-80, EUE 8 32.56' x 2-7/8", L-80, EUE 8rd Tubing weatherford Type T-2 On-Off Tool w/ 2 Weatherford 10K Arrowset 1-X Retrieved 10.03' x 2-7/8", L-80, EUE 8rd Tubing weatherford 10K Arrowset 10.03' x 2-7/8", EUE 8rd Tubing weatherford 10K Arrowset 10.03' x 2-7/8", EUE 8rd Tubing weatherford 10K Arrowset 10.03' x 2-7/8", EUE 8rd Tubing weatherford 10K Arrowset 10.03' x 2-7/8", EUE 8rd Tubing weatherford 10K Arrowset 10K Arrowset 10K Arrowset	Brd Pup Joir Joint 2.313" ID "F able Produc Joint	nt " Profile Nipple	12020	02:441 √ 2.441 2.313 2.375 2.441 2.250 ₹ 2.441	2.875 2.875 4.600 4.625 2.875	32.56 1.65 6.23 10.03	13,144 13,145 13,152 13,162 13,163
Marker Sub 6.02' x 2-7/8", L-80, EUE 8 32.56' x 2-7/8", L-80, EUE 8rd Tubing weatherford Type T-2 On-Off Tool w/2 Weatherford 10K Arrowset 1-X Retrieved 10.03' x 2-7/8", L-80, EUE 8rd Tubing weatherford 10K Arrowset 10.	Brd Pup Joir Joint 2.313" ID "F able Produc Joint	nt " Profile Nipple	12020	2.441 2.313 2.375 2.441 2.250 2.441	2.875 2.875 4600 4.625 2.875 2.875 2.875 3.680	6.02 32.56 1.65 6.23 10.03 1.10 10.08	13,144 13,145 13,152 13,162 13,163
Marker Sub 6.02' x 2-7/8", L-80, EUE 8 32.56' x 2-7/8", L-80, EUE 8rd Tubing weatherford Type T-2 On-Off Tool w/2 Weatherford 10K Arrowset 1-X Retrieved 10.03' x 2-7/8", L-80, EUE 8rd Tubing with Tu	Brd Pup Joir Joint 2.313" ID "F able Produc Joint Joint	nt " Profile Nipple ction Packer	130202	2.441 2.313 2.375 2.441 2.250 2.441	2.875 2.875 4600 4.625 2.875 2.875 2.875	6.02 32.56 1.65 6.23 10.03 1.10 10.08	13,144 13,145 13,152 13,162 13,163 13,173
Marker Sub 6.02' x 2-7/8", L-80, EUE 8 32.56' x 2-7/8", L-80, EUE 8rd Tubing weatherford Type T-2 On-Off Tool w/2 Weatherford 10K Arrowset 1-X Retrieved 10.03' x 2-7/8", L-80, EUE 8rd Tubing with the subsection of the subsection	3rd Pup Joir Joint 2.313" ID "F able Produc Joint Joint	nt " Profile Nipple ction Packer	130202	2.441 2.313 2.375 2.441 2.250 2.441	2.875 2.875 4600 4.625 2.875 2.875 2.875 3.680	6.02 32.56 1.65 6.23 10.03 1.10 10.08	13,144 13,145 13,152 13,162 13,163 13,173 13,174
Marker Sub 6.02' x 2-7/8", L-80, EUE 8 32.56' x 2-7/8", L-80, EUE 8rd Tubing weatherford Type T-2 On-Off Tool w/ 2 Weatherford 10K Arrowset 1-X Retrieved 10.03' x 2-7/8", L-80, EUE 8rd Tubing wife Nipple w/ 2.25" ID Profile 10.08' x 2-7/8", L-80, EUE 8rd Tubing weatherford Tubing Release (TCP Gur 31' x 2-7/8", L-80, EUE 8rd Tubing weatherford Tubing Release (TCP Gur 31' x 2-7/8", L-80, EUE 8rd Tubing weatherford Tubing weatherford Release (TCP Gur 31' x 2-7/8", L-80, EUE 8rd Tubing weatherford Release (TCP Gur 31' x 2-7/8", L-80, EUE 8rd Tubing weatherford Release (TCP Gur 31' x 2-7/8", L-80, EUE 8rd Tubing weatherford Release (TCP Gur 31' x 2-7/8", L-80, EUE 8rd Rel BOX x 2-7/8" 8rd BOX x 2-7/	Brd Pup Joir Joint 2.313" ID "F able Produc Joint Joint n Released Joint K-OVER	Profile Nipple stion Packer June 10, 2002) TCP GUN	1201010	2.441 2.313 2.375 2.441 2.250 2.441	2.875 2.875 4600 4.625 2.875 2.875 2.875 3.680	6.02 32.56 1.65 6.23 10.03 1.10 10.08	13,144 13,145 13,152 13,162 13,163 13,173 13,174
Marker Sub 6.02' x 2-7/8", L-80, EUE 8 32.56' x 2-7/8", L-80, EUE 8rd Tubing . Weatherford Type T-2 On-Off Tool w/ 2 Weatherford 10K Arrowset 1-X Retriev. 10.03' x 2-7/8", L-80, EUE 8rd Tubing . "F" Nipple w/ 2.25" ID Profile 10.08' x 2-7/8", L-80, EUE 8rd Tubing . Maximum Differential Bar Vent Mechanical Tubing Release (TCP Gur 31' x 2-7/8", L-80, EUE 8rd Tubing . 2-3/8" 8rd BOX x 2-7/8" 8rd BOX x 4" x 38' Tubing Conveyed Perforatin	Brd Pup Joir Joint 2.313" ID "F able Produc Joint Joint n Released Joint K-OVER	Profile Nipple stion Packer June 10, 2002)	1201010	2.441 2.313 2.375 2.441 2.250 2.441	2.875 2.875 4600 4.625 2.875 2.875 2.875 3.680	6.02 32.56 1.65 6.23 10.03 1.10 10.08	13,144 13,145 13,152 13,162 13,163 13,173 13,174
Marker Sub 6.02' x 2-7/8", L-80, EUE 8 32.56' x 2-7/8", L-80, EUE 8rd Tubing 3 Weatherford Type T-2 On-Off Tool w/2 Weatherford 10K Arrowset 1-X Retrieve 10.03' x 2-7/8", L-80, EUE 8rd Tubing 3 "F" Nipple w/ 2.25" ID Profile 10.08' x 2-7/8", L-80, EUE 8rd Tubing 3 Maximum Differential Bar Vent Mechanical Tubing Release (TCP Gur 31' x 2-7/8", L-80, EUE 8rd Tubing 3 2-3/8" 8rd BOX x 2-7/8" 8rd BOX x 4" x 38' Tubing Conveyed Perforatin MESA (MORROW) SAND	Brd Pup Joint Joint 2.313" ID "F able Product Joint Joint The Released Toint Joint K-OVER g Gun	Profile Nipple stion Packer June 10, 2002) TCP GUN	1201010	2.441 2.313 2.375 2.441 2.250 2.441	2.875 2.875 4600 4.625 2.875 2.875 2.875 3.680	6.02 32.56 1.65 6.23 10.03 1.10 10.08	13,144 13,145 13,152 13,162 13,163 13,173 13,174
Marker Sub 6.02' x 2-7/8", L-80, EUE 8 32.56' x 2-7/8", L-80, EUE 8rd Tubing 3 Weatherford Type T-2 On-Off Tool w/ 2 Weatherford 10K Arrowset 1-X Retrieved 10.03' x 2-7/8", L-80, EUE 8rd Tubing 3 "F" Nipple w/ 2.25" ID Profile 10.08' x 2-7/8", L-80, EUE 8rd Tubing 3 Maximum Differential Bar Vent Mechanical Tubing Release (TCP Gur 31' x 2-7/8", L-80, EUE 8rd Tubing 32-3/8" 8rd BOX x 2-7/8" 8rd	Brd Pup Joint 2.313" ID "F able Product Joint Joint The Released . Joint X-OVER g Gun	Profile Nipple stion Packer June 10, 2002) TCP GUN	1201010	2.441 2.313 2.375 2.441 2.250 2.441	2.875 2.875 4600 4.625 2.875 2.875 2.875 3.680	6.02 32.56 1.65 6.23 10.03 1.10 10.08	13,144 13,145 13,152 13,162 13,163 13,173 13,174
Marker Sub 6.02' x 2-7/8", L-80, EUE 8 32.56' x 2-7/8", L-80, EUE 8rd Tubing 3 Weatherford Type T-2 On-Off Tool w/ 2 Weatherford 10K Arrowset 1-X Retriev. 10.03' x 2-7/8", L-80, EUE 8rd Tubing 3 "F" Nipple w/ 2.25" ID Profile 10.08' x 2-7/8", L-80, EUE 8rd Tubing 3 Maximum Differential Bar Vent Mechanical Tubing Release (TCP Gur 31' x 2-7/8", L-80, EUE 8rd Tubing 3 2-3/8" 8rd BOX x 2-7/8" 8rd BOX x 4" x 38' Tubing Conveyed Perforation MESA (MORROW) SAND Perforations: 13215' - 13219' (4' 6') 13230' - 13238' (8' 6')	Brd Pup Join Joint 2.313" ID "F able Product Joint The Released Joint K-OVER g Gun 4 spf)	Profile Nipple stion Packer June 10, 2002) TCP GUN	1201010	2.441 2.313 2.375 2.441 2.250 2.441	2.875 2.875 4600 4.625 2.875 2.875 2.875 3.680	6.02 32.56 1.65 6.23 10.03 1.10 10.08	13,144 13,145 13,152 13,162 13,163 13,173 13,174
Marker Sub 6.02' x 2-7/8", L-80, EUE 8 32.56' x 2-7/8", L-80, EUE 8rd Tubing . Weatherford Type T-2 On-Off Tool w/ 2 Weatherford 10K Arrowset 1-X Retriev. 10.03' x 2-7/8", L-80, EUE 8rd Tubing . "F" Nipple w/ 2.25" ID Profile 10.08' x 2-7/8", L-80, EUE 8rd Tubing . Maximum Differential Bar Vent Mechanical Tubing Release (TCP Gur 31' x 2-7/8", L-80, EUE 8rd Tubing . 2-3/8" 8rd 8OX x 2-7/8" 8rd BOX x 4" x 38' Tubing Conveyed Perforatin MESA (MORROW) SAND Perforations: 13215' - 13219' (4' 6' 13230' - 13238' (8' 6' 13246' - 13253' (7' 6')	3rd Pup Joint Joint 2.313" ID "F able Produc Joint Joint A Released Joint K-OVER g Gun @ 4 spf) @ 4 spf) @ 4 spf)	Profile Nipple stion Packer June 10, 2002) TCP GUN DESCRIPTIO	Z Z	2.441 2.375 2.441 2.250 2.441 2.250 2.441 2.250	2.875 2.875 4600 4.625 2.875 2.875 2.875 3.680	6.02 32.56 1.65 6.23 10.03 1.10 10.08	13,144 13,145 13,152 13,162 13,163 13,173 13,174
Marker Sub 6.02' x 2-7/8", L-80, EUE 8 32.56' x 2-7/8", L-80, EUE 8rd Tubing . Weatherford Type T-2 On-Off Tool w/ 2 Weatherford 10K Arrowset 1-X Retriev. 10.03' x 2-7/8", L-80, EUE 8rd Tubing . "F" Nipple w/ 2.25" ID Profile 10.08' x 2-7/8", L-80, EUE 8rd Tubing . Maximum Differential Bar Vent Mechanical Tubing Release (TCP Gur 31' x 2-7/8", L-80, EUE 8rd Tubing . 2-3/8" 8rd BOX x 2-7/8" 8rd BOX x 4" x 38' Tubing Conveyed Perforatin MESA (MORROW) SAND Perforations: 13215' - 13219' (4' of 13230' - 13238' (8' of 13246' - 13253' (7' of 13246' - 13246	Brd Pup Joir Joint 2.313" ID "F able Product Joint Joint A Released Joint K-OVER g Gun 4 spf) 4 spf) 4 spf) 9 4 spf) RDX, EHD=	Profile Nipple stion Packer June 10, 2002) TCP GUN DESCRIPTIC	LC (2) (6) (7)	2.441 2.313 2.375 2.441 2.250 2.441 2.441 2.250	2.875 2.875 4.625 2.875 2.875 2.875 3.680 \$\mathbb{E}_{\mathbb{E}}\$\frac{3}{3}.509\\$	6.02 32.56 1.65 6.23 10.03 1.10 10.08 1.32 0 1.59	13,144 13,145 13,152 13,162 3 13,163 7 13,174 13,176
Marker Sub 6.02' x 2-7/8", L-80, EUE 8 32.56' x 2-7/8", L-80, EUE 8rd Tubing . Weatherford Type T-2 On-Off Tool w/ 2 Weatherford 10K Arrowset 1-X Retriev. 10.03' x 2-7/8", L-80, EUE 8rd Tubing . "F" Nipple w/ 2.25" ID Profile 10.08' x 2-7/8", L-80, EUE 8rd Tubing . Maximum Differential Bar Vent Mechanical Tubing Release (TCP Gur 31' x 2-7/8", L-80, EUE 8rd Tubing . 2-3/8" 8rd BOX x 2-7/8" 8rd BOX x 4" x 38' Tubing Conveyed Perforatin MESA (MORROW) SAND Perforations: 13215' - 13219' (4' 0) 13230' - 13238' (8' 0) 13246' - 13253' (7' 0) COMMENTS:	Brd Pup Joint Joint 2.313" ID "F able Product Joint Joint The Released Joint K-OVER Gran Gran Gran Gran Gran Gran Gran Gran	TCP GUN DESCRIPTIO	CC 6.10	2.441 2.375 2.441 2.250 2.2441 2.250 2.2441 2.250 2.2502	2.875 2.875 4.625 2.875 2.875 3.680 \$\mathcal{E}_{\begin{subarray}{c} 2.875 \\ 3.509\\ \end{subarray}}\$	6.02 32.56, 1.65 6.23 10.03 1.10 10.08 1.32 0 1.59	13,144 13,145 13,145 13,152 13,162 13,173 13,174 13,176
Marker Sub 6.02' x 2-7/8", L-80, EUE 8 32.56' x 2-7/8", L-80, EUE 8rd Tubing . Weatherford Type T-2 On-Off Tool w/ 2 Weatherford 10K Arrowset 1-X Retriev. 10.03' x 2-7/8", L-80, EUE 8rd Tubing . "F" Nipple w/ 2.25" ID Profile 10.08' x 2-7/8", L-80, EUE 8rd Tubing . Maximum Differential Bar Vent Mechanical Tubing Release (TCP Gur 31' x 2-7/8", L-80, EUE 8rd Tubing . 2-3/8" 8rd BOX x 2-7/8" 8rd BOX x 4" x 38' Tubing Conveyed Perforatin MESA (MORROW) SAND Perforations: 13215' - 13219' (4' of 13230' - 13238' (8' of 13246' - 13253' (7' of 13246' - 13246	ard Pup Joint Joint 2.313" ID "F able Produc Joint Joint Theleased Joint K-OVER Gran 4 spf) 4 spf) 4 spf) API # 13-3/8" ceme	Profile Nipple stion Packer June 10, 2002) TCP GUN DESCRIPTIC	LC C 6.100	2.441 2.313 2.375 2.441 2.250 2.441 2.441 2.250	2.875 2.875 4.625 2.875 2.875 3.680 \$\mathbb{E}_{\bar{4}}\$\frac{3}{5}\$\text{509}\bar{1}\$	6.02 32.56 1.65 6.23 10.03 1.10 10.08 1.32 0 1.59	13,144 13,145 13,152 13,162 3 13,163 7 13,174 13,176