Form 3160-4 (July 1992)

## UNIT STATES SUBMEDEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICA

N.M. OII Cons Division

(See other 625 N. E-MENGH-107-0137

structions on Expires Pebruary 20, 1995
reverse 4000 DS: ANW 198240 SERIAL NO.

NM 17238

ON:  WORK DEE  OVER DEE  OVER DEE  N  OVER DEE  N  OVER DEE  N  N  OVER DEE  N  N  OVER DEE  N  N  OVER DEE  N  OVER DE  N	Suite 120, Mice	dland, Te. ance with ar  14. PE  TE COMPL. 06/2001 TVD 22.	ERMIT NO.  (Ready to IF MULTI HOW MA	Other Other Other Of (915) quirements	) 686-{ )*	3235  ATE ISSUED  LEVATIONS  23. IN	CENT	9. A 10. 11. S 12. C	FIELD AN FIE	LEASE hon 3 NO. 30-02 ID POO Teas; R., M., C tion 3 DR PAR 1 19.	Federal #6 5-35647 DL, OR WILDCAT Delaware OR BLOCK AND SUR T20S, R33E ISH 13. STATE New Mexic ELEV. CASINGHEAD CABLE TOOLS  WAS DIRECTIONA SURVEY MADE
ON:  WORK DEE  OVER DE  OVER DEE  OVER DE  OVER D	Plug BACK  Suite 120, Mic Plug And in accords  WL  CHED 17. DAT  10/0  BACK T.D., MD & 9773'  IPLETION-TOP, E	dland, Te. ance with ar  14. PE  TE COMPL. 06/2001 TVD 22.	XAS 797  XAS 797  Y State re  RMIT NO.  (Ready to  IF MULTI HOW MA	Other  05 (915)  quirements  prod.)  PLE COMPINY*	DA 18. E	ATE ISSUED LEVATIONS 23. IN	(DF, RKB, R 3572' GL TERVALS	9. A 10. 11. S 12. C	FIELD AN SEC., T., FOR AREA Sectiounty of Lea ETC.,*	LEASE hon 3 NO. 30-02 ID POO Teas; R., M., C tion 3 DR PAR 1 19.	Federal #6 5-35647 DL, OR WILDCAT Delaware OR BLOCK AND SUR T20S, R33E ISH 13. STATE New Mexic ELEV. CASINGHEAD CABLE TOOLS  WAS DIRECTIONA SURVEY MADE
ng Company HONE NO. eet, Building 2, seet, Build	Suite 120, Michael Mic	dland, Te. ance with ar  14. PE TE COMPL. 06/2001 TVD 22.	XAS 797  XAS 797  PRINT NO.  (Ready to  IF MULTI HOW MA	05 (915)  quirements  prod.)  PLE COMPINY*	DA 18. E	ATE ISSUED LEVATIONS 23. IN	(DF, RKB, R 3572' GL TERVALS	9. A 10.	FIGURE AN SEC., T., FOR AREA Sectiounty of Lea	NO. 30-02 ID POO Teas; R., M., Ction 3 DR PAR	5-35647  L, OR WILDCAT Delaware  OR BLOCK AND SUR  T20S, R33E  ISH 13. STATE  New Mexic  ELEV. CASINGHEAD  CABLE TOOLS  WAS DIRECTIONA SURVEY MADE
HONE NO.  Set, Building 2, 5  Report location clear  SL and 2510' Figorted below  Hand 2222' Figorted below  6. DATE T.D. REAC  08/15/2001  TVD 21. PLUG, I  AL(S), OF THIS COM  aware  OTHER LOGS RUN	Suite 120, Michael Mic	dland, Teanne with an 14. PE COMPL. 06/2001 TVD 22. BOTTOM, NA	XAS 797  PY State re  RMIT NO.  (Ready to  IF MULTI HOW MA	05 (915)  quirements  prod.)  PLE COMPINY*	DA 18. E	ATE ISSUED LEVATIONS 23. IN	(DF, RKB, R 3572' GL TERVALS	9. A 10.	FIGURE AN SEC., T., FOR AREA Sectiounty of Lea	NO. 30-02 ID POO Teas; R., M., Ction 3 DR PAR	5-35647  PL, OR WILDCAT Delaware  PR BLOCK AND SUF  T20S, R33E  ISH 13. STATE  New Mexi ELEV. CASINGHEAD  CABLE TOOLS  WAS DIRECTION/ SURVEY MADE
HONE NO.  Set, Building 2, 5  Report location clear  SL and 2510' Figorted below  Hand 2222' Figorted below  6. DATE T.D. REAC  08/15/2001  TVD 21. PLUG, I  AL(S), OF THIS COM  aware  OTHER LOGS RUN	WL WL- A 2 10 CHED 17. DAT 10/ BACK T.D., MD & 9773' IPLETION-TOP, E	14. PE TE COMPL. 06/2001 TVD 22. BOTTOM, NA	RMIT NO.  (Ready to  IF MULTI HOW MA	prod.) PLE COMPI	DA 18. E	ATE ISSUED LEVATIONS 23. IN	(DF, RKB, R 3572' GL TERVALS	9. A 10.	FIGURE AN SEC., T., FOR AREA Sectiounty of Lea	NO. 30-02 ID POO Teas; R., M., Ction 3 DR PAR	5-35647  PL, OR WILDCAT Delaware  PR BLOCK AND SUR  T20S, R33E  ISH 13. STATE  New Mexical New Mexical Cable Tools  CABLE TOOLS  WAS DIRECTION, SURVEY MADE
HONE NO.  Set, Building 2, 5  Report location clear  SL and 2510' Figorted below  Hand 2222' Figorted below  6. DATE T.D. REAC  08/15/2001  TVD 21. PLUG, I  AL(S), OF THIS COM  aware  OTHER LOGS RUN	WL WL- A 2 10 CHED 17. DAT 10/ BACK T.D., MD & 9773' IPLETION-TOP, E	14. PE TE COMPL. 06/2001 TVD 22. BOTTOM, NA	RMIT NO.  (Ready to  IF MULTI HOW MA	prod.) PLE COMPI	DA 18. E	ATE ISSUED LEVATIONS 23. IN	(DF, RKB, R 3572' GL TERVALS	10. 11. S C 12. C	FIELD AN FIE	NO. 30-02 ID POO Teas; R., M., C tion 3 DR PAR 1 19.	5-35647  DI, OR WILDCAT Delaware  DR BLOCK AND SUR  T20S, R33E  ISH 13. STATE  New Mexi ELEV. CASINGHEAD  CABLE TOOLS  SURVEY MADE
Report location clean SL and 2510' Filiported below WL and 2222' Filiported below 6. DATE T.D. REAC 08/15/2001 TVD 21. PLUG, I AL(S), OF THIS COM aware OTHER LOGS RUN	WL WL- A 2 10 CHED 17. DAT 10/ BACK T.D., MD & 9773' IPLETION-TOP, E	14. PE TE COMPL. 06/2001 TVD 22. BOTTOM, NA	RMIT NO.  (Ready to  IF MULTI HOW MA	prod.) PLE COMPI	DA 18. E	ATE ISSUED LEVATIONS 23. IN	(DF, RKB, R 3572' GL TERVALS	11. S C 12. C	FIELD AN  SEC., T., F  OR AREA  Sect  OUNTY O  Lea  ETC.)*	ID POO Teas; R., M., C tion 3 DR PAR 1 19.	DL, OR WILDCAT Delaware DR BLOCK AND SUR T20S, R33E ISH 13. STATE New Mexi ELEV. CASINGHEAE CABLE TOOLS D. WAS DIRECTION/ SURVEY MADE
Report location clean SL and 2510' Filiported below WL and 2222' Filiported below 6. DATE T.D. REAC 08/15/2001 TVD 21. PLUG, I AL(S), OF THIS COM aware OTHER LOGS RUN	WL WL- A 2 10 CHED 17. DAT 10/ BACK T.D., MD & 9773' IPLETION-TOP, E	14. PE TE COMPL. 06/2001 TVD 22. BOTTOM, NA	RMIT NO.  (Ready to  IF MULTI HOW MA	prod.) PLE COMPI	DA 18. E	ATE ISSUED LEVATIONS 23. IN	(DF, RKB, R 3572' GL TERVALS	11. S C 12. C	SEC., T., FOR AREA  Sect COUNTY O  Lea  ETC.)*	Teas; R., M., C tion 3 DR PAR 1 19.	Delaware DR BLOCK AND SUR TOOS, R33E ISH 13. STATE New Mexi ELEV. CASINGHEAD CABLE TOOLS S. WAS DIRECTION, SURVEY MADE
SL and 2510' Figorited below  14 and 2222' Fig. 32 / 5  6. DATE T.D. REAC 08/15/2001  TVD 21. PLUG, I	WL	14. PE 16 COMPL. 06/2001 1 TVD   22.	RMIT NO. (Ready to  IF MULTI HOW MA	prod.) PLE COMPI NY* IND TVD)*	18. E	LEVATIONS	(DF, RKB, R 3572' GL TERVALS	11. S C 12. C	SEC., T., FOR AREA  Sect COUNTY O  Lea  ETC.)*	Teas; R., M., C tion 3 DR PAR 1 19.	Delaware DR BLOCK AND SUR TOOS, R33E ISH 13. STATE New Mexi ELEV. CASINGHEAD CABLE TOOLS S. WAS DIRECTION, SURVEY MADE
6. DATE T.D. REAC 08/15/2001  TVD 21. PLUG, I AL(S), OF THIS COM aware	HED 17. DAT 10/4 BACK T.D., MD & 9773'	14. PE TE COMPL. 06/2001 TVD 22. BOTTOM, NA	IF MULTI HOW MA	PLE COMPI NY* .ND TVD)*	18. E	LEVATIONS	(DF, RKB, R 3572' GL TERVALS	12. C	SEC., T., R DR AREA Sect COUNTY O Lea ETC.)*	R., M., C tion 3 DR PAR 1 19.	T20S, R33E  T20S, R33E  ISH 13. STATE  New Mexical New
6. DATE T.D. REAC 08/15/2001 TVD 21. PLUG, I AL(S), OF THIS COM aware	HED 17. DAT 10/4 BACK T.D., MD & 9773'	14. PE TE COMPL. 06/2001 TVD 22. BOTTOM, NA	IF MULTI HOW MA	PLE COMPI NY* .ND TVD)*	18. E	LEVATIONS	(DF, RKB, R 3572' GL TERVALS	12. C	Sect Sounty o Lea ETC.)*	tion 3 DR PAR 1 19.	, T20S, R33E ISH 13. STATE New Mexi ELEV. CASINGHEAE CABLE TOOLS  5. WAS DIRECTION/ SURVEY MADE
6. DATE T.D. REAC 08/15/2001 TVD 21. PLUG, I AL(S), OF THIS COM aware	HED 17. DAT 10/4 BACK T.D., MD & 9773'	14. PE TE COMPL. 06/2001 TVD 22. BOTTOM, NA	IF MULTI HOW MA	PLE COMPI NY* .ND TVD)*	18. E	LEVATIONS	(DF, RKB, R 3572' GL TERVALS	RT, GE,	Lea ETC.)*	DR PAR	ISH 13. STATE New Mexic ELEV. CASINGHEAD CABLE TOOLS  6. WAS DIRECTIONAL SURVEY MADE
08/15/2001  IVD 21. PLUG, I  AL(S), OF THIS COM  aware  OTHER LOGS RUN	10// BACK T.D., MD & 9773' IPLETION-TOP, B	TE COMPL. 06/2001 TVD 22.	IF MULTI HOW MA	PLE COMPI NY* .ND TVD)*	18. E	LEVATIONS	(DF, RKB, R 3572' GL TERVALS	RT, GE,	Lea ETC.)* ARY TOO	19.   19.   LS	New Mexical New Me
08/15/2001  IVD 21. PLUG, I  AL(S), OF THIS COM  aware  OTHER LOGS RUN	10// BACK T.D., MD & 9773' IPLETION-TOP, B	06/2001 TVD 22.	IF MULTI HOW MA	PLE COMPI NY* .ND TVD)*	<b>L.,</b>	23. IN	3572' GL		ETC.)* ARY TOO	19. ILS	CABLE TOOLS  WAS DIRECTIONA SURVEY MADE
08/15/2001  IVD 21. PLUG, I  AL(S), OF THIS COM  aware  OTHER LOGS RUN	10// BACK T.D., MD & 9773' IPLETION-TOP, B	06/2001 TVD 22.	IF MULTI HOW MA	PLE COMPI NY* .ND TVD)*	<b>L.,</b>	23. IN	3572' GL		ARY TOO	LS 25	CABLE TOOLS . WAS DIRECTION, SURVEY MADE
21. PLUG, I AL(S), OF THIS COM aware	BACK T.D., MD & 9773' IPLETION-TOP, E	OTTOM, NA	HOW MA	NY*		23. IN	TERVALS	ROTA		28	S. WAS DIRECTIONA SURVEY MADE
AL(S), OF THIS COM aware	9773' IPLETION-TOP, B	BOTTOM, NA	HOW MA	NY*				ROTA		28	S. WAS DIRECTIONA SURVEY MADE
OTHER LOGS RUN	PLETION-TOP, E							•	X		SURVEY MADE
OTHER LOGS RUN											SURVEY MADE
	CAS	NO PECO									
	CAS	ING PECC									
CAL	CAS	ING PECC			<del>.</del>						14 C 14 C
	CAS	ING PECC		-						27. ¥	VAS WELL CORED No
		MAG KECC	RD (Rep	ort all stri	nas sei	t in well)					
WEIGHT, LB./FT.	DEPTH SE	T (MD)					MENT CE	MENTI	NG PECC	<b>NPD</b>	AMOUNT DULL
68# & 72#	135	50'	1	7-1/2"							AMOUNT PULL
47#	351	13'	1	2-1/4"	C	ement 1	450 sxs. c	ire to	surface	₹ 3	
1/#	991	17'		7-7/8"	C	ement 1	355 sxs, c	irc to	surface	<u> </u>	
1 11	VED DECORD					Г					
(1110)	STIOM (MD)	SACKS CI	EMEN!"	SCREEN	(MD)	<del></del>				D)	PACKER SET (M
	Pron-	TO				2-7	78"	6	3532'		
RD (Interval, size ar	id number)	K RECI		32.		ACID SHO	T EDACTI	IDE 0			
		The second secon	7								
PF - 28 holes											
i i					104 - C	010	Fracus	USING	42 554	gais i	/-1/2% HCL.
·							30,000	# 16/3	43 DDIS	30#P	ingear gei,
<del>: 5</del> £									20 10311	OCEL	ed lifesti
							<u> </u>		Z.	15.	<u> </u>
		lowing, gas	lift, pump	ingsize ar	nd type	of pump)			WELL ST	TATUS	(Producing or
		Ţ									Producing
	CHOKE SIZE					GAS	ICF.	WATE	RBBL.		GAS-OIL RATIO
	C41 OI II 4		<u> </u>				36		60	i	923:1
OASING PRESSURE				GASMCF.			10,11211		3BL. OIL GRAVIT		AVITY-API (CORR.)
(Sold upod for for			39		3	6					37.0
toolu, usea for füel,	ventea, etc.)									D BY	
· · · · · · · · · · · · · · · · · · ·								Matt I	Lee		
foregoing and attac	hed information	is complete	and com-	00 aa data							
ا م	1		and COME	ocas deterr	nined fr	om ali avail	able records				
7 F	A7# A7# A7# LII  (MD) B6  RD (Interval, size ar  PF - 28 holes  PRODUCT Pumping OURS TESTED 24 SING PRESSURE Sold, used for fuel,	DEPTH SE  68# & 72# 138  47# 355  17# 995  LINER RECORD  (MD) BOTTOM (MD)  PRODUCTION METHOD (F Pumping  OURS TESTED CHOKE SIZE  24  SING PRESSURE CALCULATED 24-HOUR RATE  Sold, used for fuel, vented, etc.)	PRODUCTION METHOD (Flowing, gass Pumping OURS TESTED CHOKE SIZE PROD'N TEST PI  Sold, used for fuel, vented, etc.)  DEPTH SET (MD)  A 1350' A7# 3513' 17# 9917'  LINER RECORD BOTTOM (MD) SACKS CI  PRODUCTION METHOD (Flowing, gass Pumping OURS TESTED CHOKE SIZE PROD'N TEST PI  Sold, used for fuel, vented, etc.)	WEIGHT, LB./FT. DEPTH SET (MD) HOLE  68# & 72# 1350' 1  47# 3513' 1  17# 9917'  LINER RECORD  (MD) BOTTOM (MD) SACKS CEMENT*  PRODUCTION METHOD (Flowing, gas ##t, pump Pumping  OURS TESTED CHOKE SIZE PROD'N FOR TEST PERIOD  24  SING PRESSURE CALCULATED 24-HOUR RATE 39  Sold, used for fuel, vented, etc.)  POOTT, Logs  Foregoing and attached information is complete and corre	WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE  68# & 72# 1350' 17-1/2"  47# 3513' 12-1/4"  17# 9917' 7-7/8"  LINER RECORD  (MD) BOTTOM (MD) SACKS CEMENT* SCREEN  RD (Interval, size and number) 32.  PF - 28 holes 66  PRODUCTION METHOD (Flowing, gas #ft, pumping—size and pumping  OURS TESTED CHOKE SIZE PROD'N FOR TEST PERIOD 3  SING PRESSURE CALCULATED 24  SING PRESSURE CALCULATED 24-HOUR RATE 39  Sold, used for fuel, vented, etc.)  POORT, Logs  Foregoing and attached information is complete and correct as determined and correct as determi	WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE  68# & 72# 1350' 17-1/2" ( 47# 3513' 12-1/4" ( 17# 9917' 7-7/8" (  LINER RECORD  (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD)  **RD (Interval, size and number) 32.  **DEPTH INTER*  6604' - 6  **PRODUCTION*  PRODUCTION METHOD (Flowing, gas lift, pumping—size and type  Pumping  OURS TESTED CHOKE SIZE PROD'N FOR TEST PERIOD 39  SING PRESSURE CALCULATED 24—HOUR RATE 39 39  Sold, used for fuel, vented, etc.)  **POOTT, Logs**  Foregoing and attached information is complete and correct as determined foregoing and attached information is complete and correct as determined foregoing and attached information is complete and correct as determined foregoing and attached information is complete and correct as determined foregoing and attached information is complete and correct as determined foregoing and attached information is complete and correct as determined foregoing and attached information is complete and correct as determined foregoing and attached information is complete and correct as determined foregoing and attached information is complete and correct as determined foregoing and attached information is complete and correct as determined foregoing and attached information is complete and correct as determined foregoing and attached information is complete and correct as determined foregoing and attached information is complete and correct as determined foregoing and attached information is complete and correct as determined foregoing and attached information is complete and correct as determined foregoing and attached information is complete and correct as determined foregoing and attached information is complete and correct as determined foregoing and attached information is complete and correct as determined foregoing and attached information is complete and correct as determined foregoing and attached information is complete and correct as determined foregoing and attached information is complete and correct as determined foregoing and attached information is complete an	1350'   17-1/2"   Cement 1	WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEI  68# & 72# 1350' 17-1/2" Cement 1100 sxs, c 47# 3513' 12-1/4" Cement 1450 sxs, c 17# 9917' 7-7/8" Cement 1855 sxs, c  LINER RECORD 30.  C(MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE  2-7/8"  DEPTH INTERVAL (MD) AM 6604' - 6618' Acidize Frac us 30,000 proppa  PRODUCTION  PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping  OURS TESTED CHOKE SIZE PROD'N FOR 139 36  SING PRESSURE CALCULATED 24-HOUR RATE 39 36  Sold, used for fuel, vented, etc.)  POPTI, Logs  Foregoing and attached information is complete and correct as determined from all available records	WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTIL  68# & 72# 1350' 17-1/2" Cement 1100 sxs, circ to  47# 3513' 12-1/4" Cement 1450 sxs, circ to  17# 9917' 7-7/8" Cement 1855 sxs, circ to  LINER RECORD 30. TUBIN  (MD) BOTTOM (MD) SACKS CEMENT SCREEN (MD) SIZE DIEPTH  (MD) BOTTOM (MD) SACKS CEMENT SCREEN (MD) SIZE DIEPTH  (MD) BOTTOM (MD) SACKS CEMENT SCREEN (MD) SIZE DIEPTH  (MD) BOTTOM (MD) SACKS CEMENT SCREEN (MD) SIZE DIEPTH  (MD) BOTTOM (MD) SACKS CEMENT SCREEN (MD) SIZE DIEPTH  (MD) BOTTOM (MD) SACKS CEMENT SCREEN (MD) SIZE DIEPTH  (MD) BOTTOM (MD) SACKS CEMENT SCREEN (MD) SIZE DIEPTH  (MD) BOTTOM (MD) SACKS CEMENT SCREEN (MD) SIZE DIEPTH  (MD) BOTTOM (MD) SACKS CEMENT SCREEN (MD) SIZE DIEPTH  (MD) SIZE DIEPTH  (MD) AMOUNT  (MD) A	WEIGHT, LB.FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECC 68# & 72# 1350' 17-1/2" Cement 1100 sxs, circ to surface 47# 3513' 12-1/4" Cement 1450 sxs, circ to surface 17# 9917' 7-7/8" Cement 1855 sxs, circ to surface 18	WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD  68# 8 72# 1350' 17-1/2" Cement 1100 sxs, circ to surface 47# 3513' 12-1/4" Cement 1450 sxs, circ to surface 17# 9917' 7-7/8" Cement 1450 sxs, circ to surface  LINER RECORD 30. TUBING RECORD  (MD) BOTTOM (MD) SACKS CEMENT' SCREEN (MD) SIZE DEPTH SET (MD)  2-7/8" 6532'  40 (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUE  DEPTH INTERVAL (MD) AMOUNT AND KIND OF M  6604' - 6618' Acidize using 1000 gals of Frac using 243 bbls 30# 30,000# 16/30 resin coat proppant.  PRODUCTION  PRODUCTION METHOD (Flowing, gas ##t, pumping-size and type of pump) Pumping  OURS TESTED CHOKE SIZE PROD'N FOR OIL—BBL. GAS—MCF. WATER—BBL. GAS—MCF. Shurt-in)  24 SING PRESSURE CALCULATED 24-HOUR RATE 39 36 60  Sold, used for fuel, vented, etc.) TEST WITNESSED BY Matt Lee

EURON CALL CHICE

EI : 6 MA 81 730 1005

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37. SUMMARY OF POROUS ZONES: (SF all important zones of porosity and contents of; cored intervals; and contents estate, including depth intervals; are sted, cushion used, time tool open, flowing and shut-in pressures, and recoveries): ∋of; cored intervals; and all

FORMATION	TOP	воттом	DESCRIPTION, CONTENTS, ETC.
Delaware Sand	6604'	6618'	Oil, Water & Gas Not tested.
Bone Spring	9286'	9318'	

CONFIDENTIAL

38. GEOLOGICAL MARKERS			38. GEOLOGICAL MARKERS				
NAME		OP	GI GI		TOP		
	MEAS. DEPTH	TRUE VERT. DEPTH	NAME	MEAS. DEPTH	TRUE VERT DEPTH		
Yates	3252	3252					
7-Rivers	3323	3323					
Delaware	3866	3816					
Delaware Sand	6508	6392					
Bone Spring LM	8284	8132	•				
1st Bone Spring SS	9150	8984					
Teas Pay	9286	9118					
ΓD	9920	9678					

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