Form 3160-4 (July 1992)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

SUBMIT IN DUPLICATE FORM APPROVED OMB NO 1004-0137

(See other instructions on

Expires: February 28, 1995

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				re	verse side)	I.	TION AND LEASE NO. MSF-078769
						6 IF INDIAN, ALLO	TTEE OR
V	VELL COMPLE	ETION OR REC	COMPLETION RI	EPORT AND L	OG*	7 UNIT AGREEMEN	to bease
la TYPE O	F WELL: F OIL WELL	X GAS WELL	DRY OTHER				Rosa Unit
	OF COMPLETION: EW WELL WORKO	_	JG BACK DIFF RESVR	OTHER	C		
2 NAME (OF OPERATOR	WILLIAMS PRO	DUCTION COMPANY	, A	UG 0 4 4009	8.FARM OR LEASE Re	NAME, WELL NO osa Unit #189
3 ADDRE	SS AND TELEPHONE NO)		dureau	of L	9. API WELL NO	
			Aztec, NM 87410 (505) 034-4208 Fam	of Learning Onice	1 NIQ	9-30186 - OOC(
At Sur At top	TION OF WELL (Reface: 1455' FNL & 1 production interval related to the same	455' FEL, sec 21, T3		ny State requirement	s) sales in the Onleg	1	POOL, OR WILDCAT Basin Dakota
						SURVEY OR AR	
			-	14 PERMIT NO	DATE ISSUED	12. COUNTY OR	13 STATE New Mexico
15 DATE	16 DATETD,	17 DATE COMPLETE	O (READY TO PRODUCE)	18 ELEVATIONS (DK.	RKB, RT,GR,ETC)*	Rio Arriba 19 ELEVATION CA	
SPUDDED 5-20-09	reached 6-6-09		-1-09		9' GR		90°8 (Jun (
20 TOTAL DEPTH, N 82	1D & TVD 268'	21 PLUG, BACK T.D., 8259' MD	MD & TVD	22 IF MULTCOMP, HOW MANY 3*	23 INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS CHS. DIV.
			M, NAME (MD AND TVD)*			25 WAS DIRECTION	NAL SURVEY MADE
	A: 8148' – 8244' N AND OTHER LOGS RUN	ייי				27. WAS WELL COR	
-			tron, Temperature, Ultra	Sonic Gas Detector a	and CBL	No	
	(Report all strings set in wel IZE/GRADE	l) WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEN	MENTING RECORD	AMOUNT PULLED
	4", J-55	40.5#	312`	14-3/4"	290 SX - S		
7-5/8	", K-55	26 4#	3928'	9-7/8"	630 SX - S	URFACE	
5-1/2	5-1/2", N-80		8264'	6-3/4"	375 SX - 35	50' (CBL)	
						· · · · · · · · · · · · · · · · · · ·	
29 LINER RECORD SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30 TUBING RECORD ŞIZE	DEPTH SET (MD)	PACKER SET (MD)
					2.375", 4.7#, J-55, EUE 8rd	8213'	none
31 PERFORATION R	ECORD (Interval, size, and	number)		32 ACID, SHOT, FRAC DEPTH INTERVAL	TURE, CEMENT SQUEEZE, AMO	. ETC. UNT AND KIND OF MA	TERIAL USED
<u>Dakota.</u> 8148' –	8244' Total of 63, 0	0.34" holes		(MD)			
	•			8148' - 8244'	Fraced with 6484# 1 mesh BASF	00 mesh BASF folk	owed with 73,279# 40/70
22 PRODUCTION AN	ECAVEDINE DACIMANA	COC AND DASIN DAVOT	TA FORMATIONS COMMING	LED AND BRODUCING L	INDER AUTUORIZATION E	NIC A 7T 2102	No.
							200
DATE OF FIRS	TPRODUCTION	PRODU	JCTION METHOD (Flowing, g		e ot pump)		FUS (PRODUCING OR SI)
			Flow			L	waiting on tie-in
7-21-09	TESTED ! hr	CHOKE SIZE 2"	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO
FLOW TBG PRESS	CASING PRESSURE	CALCULATE	D 24-HOUR RATE	OIL - BBL	GAS – MCF	WATER - BBL	OIL GRAVITY-API (CORR)
0	2 lb.	SALGODATE		S.E. BEE	354 mcf/d	EX-DDE	SID SIMILITY (CORK)
34. DISPOSITION OF	GAS (Sold, used for fuel, ve	ented. etc.) TO BE SOLD				TEST WITNESSED F	
35 LIST OF ATTACH			ONES, WELLBORE DIAG			ACCEP	TED FOR HE
36 I hereby artify the SIGNED	the oregoing and altached	information is complete and	correct as determined from all a	vailable records Regulatory Specialist	DATE <u>8/4/09</u>		NUG 0 5 2000
	_	\mathcal{L}		MINOON		EADAAR	IGTON EIFLD'

FARMINGTON FIELD

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 recoveries)						38 GEOLOGIC MARKERS						
cuspion used, time tool open, i	lowing and shar in pressures.	and recoveries,										
FORMATION	TOP BOTTOM DESCRIPTION, CONTENTS, ETC				NAME	ТОР						
						NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH				
						PICTURED CLIFFS	3432'					
						CLIFFHOUSE	5684	,				
-						MENEFEE	5727`					
		-				POINT LOOKOUT	5929`					
						MANCOS	6327					
						DAKOTA	8148`					
			,									
						,						
						,						
	e.											

In Lieu of Form 3160-4 (July 1992)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

FORM APPROVED OMB NO. 1004-0137

(See other instructions on reverse side)

OMB NO. 1004-0137 Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO NMSF-078769

		mion on pro			0.01	6 IF INDIAN.ALLOT				
W	ELL COMPLE	ETION OR REC	OMPLETION RE	EPORT AND LO	OG*	7. UNIT AGREEMEN	to Lesse			
la TYPE O	F WELL COIL WELL	X GAS WELL	DRY OTHER			1	Rosa Unit			
b TYPE O	F COMPLETION	_		RE	CEIVE	1				
<u>X</u> NI	EW WELL WORKO	VER DEEPEN PLU	G BACK DIFF.RESVR	OTHER	UG 04 2009					
2 NAME (8 FARM OR LEASE !									
			DUCTION COMPANY			l .	sa Unit #189			
3 ADDRE	SS AND TELEPHONE NO		ND 4 00 440 4505	Far.	or Land M: om	API WELL NO	9-30186 -00 CZ			
4 LOCA	TION OF WELL (R		aztec, NM 87410 (505) and in accordance with a	05 1 1200			POOL, OR WILDCAT			
	face: 1455' FNL & 1		nco Mesaverde							
At top	production interval re	eported below . Same	,							
At tota	depth. Same	,				II SEC, T,R,M,OF	RI OCK AND			
						SURVEY OR AR				
			1		DATE ISSUED	Sec 2	, T31N, R5W			
				14 PERMIT NO.	DATEISSUED	Rio Arriba	13. STATE New Mexico			
15, DATE	16 DATE T.D	17 DATE COMPLETED	(READY TO PRODUCE)	18 ELEVATIONS (DK.	, RKB, RT,GR.ETC)*	19 ELEVATION CAS	INGHEAD			
SPUDDED	REACHED 6-6-09	8-	1-09	658	9' GR	eo' a aug Guda				
5-20-09 20 TOTAL DEPTH, M		21. PLUG, BACK T.D., N	MD & TVD	22 IF MULTCOMP.	23 INTERVALS	ROTARY TOOLS	CABLE TOOLS			
82	68'	8259° MD		HOW MANY 3*	DRILLED BY	X	COMS. DIV.			
24 PRODUCING INTI	ERVAL(S), OF THIS COM	PLETION - TOP, BOTTOM	I, NAME (MD AND TVD)*			25 WAS DIRECTION	AL SURVEY MADE			
	VERDE. 5460' – 62 AND OTHER LOGS RUN	82' MD			/	No 1 27 WAS WELL CORI	<u>)IST. 3 </u>			
		ma Rav-Density-Neut	ron, Temperature, Ultra	Sonic Gas Detector	and CBL	No No	ענ			
	Report all strings set in wel ZE/GRADE	WEIGHT, LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEM	MENTING RECORD	AMOUNT PULLED			
10-3/4	F", J-55	40.5#	312'	14-3/4"	290 SX - SI	URFACE				
7-5/8	', K-55	26.4#	3928'	9-7/8"	630 SX - SI	JRFACE				
5-1/2	', N-80	17.0#	8264'	6-3/4"	375 SX - 355	50' (CBL)				
										
29 LINER RECORD		<u></u>			30 TUBING RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)			
					2.375", 4.7#, J-55, EUE 8rd	8213'	none			
31 PERFORATION RI	ECORD (Interval, size, and	number)			TURE, CEMENT SQUEEZE.					
				DEPTH INTERVAL (MD)	AMOU	OUNT AND KIND OF MATERIAL USED				
				5460'-5777'	F 15062# 20/40	D A C P C . II	16 902# 20/40 D 4 CF			
<u>CH/MEN:</u> 5460'-	-5777' (57, 0.34 hole	es)		3100 3111	Frac W/5063# 20/40	0 BASF followed w/ 76,803# 20/40 BASF				
PT/LO: 5898'-62	82' (64, 0.34 holes)			5898'6282`	Frac w/5044# 20/40	BASE followed w/ 3	75 317# 20/40 BASE			
				3030 0202	1140 11/30 11/11 20/10		5,517# 20# 10 B/151			
33 PRODUCTION M	ESAVERDE, BASIN MAN	COS AND BASIN DAKOTA	A FORMATIONS COMMING	LED AND PRODUCING U	JNDER AUTHORIZATION D	HC AZT 3192				
DATE OF FIRS	r PRODUCTION	PRODU	CTION METHOD (Flowing, gr	as hft pumping-size and typ	e of pump)	WELL STAT	US (PRODUCING OR SI)			
		SI – v	vaiting on tie-in							
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST	OIL - BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO			
7-21-09	ı hr	2"	PERIOD							
FLOW TBG PRESS	CASING PRESSURE	CALCULATED	24-HOUR RATE	OIL – BBL	GAS - MCF	WATER - BBL	OIL GRAVITY-API (CORR)			
0	2 lb.				354 mcf/d					
34 DISPOSITION OF	GAS (Sold, used for fuel, ve	ented, etc) TO BE SOLD			<u> </u>	TEST WITNESSED B	Y Weldon Higgins			
35 LIST OF ATTACH			ONES, WELLBORE DIAG	RAM			TED FOR RECON			
36 I hereby couly that	the propone and affache	information is complete and	correct as determined from all a	vailable records		ACT IND				
SIGNED	HILL	VILL	TITLE J	Regulatory Specialist	DATE <u>8/4/09</u>	A	ug 0 5 200°			

NMOCD

FARMINGTON FIELD C

FORMATION	тор	воттом	DESCRIPTION,	CONTENTS, ETC	NAME	TOP				
						NAME	MEASURED DEPTH	TRUE VERTICAL DEPT		
						PICTURED CLIFFS	3432`			
						CLIFFHOUSE	5684`			
						MENEFEE	5727			
						POINT LOOKOUT	5929'			
						MANCOS	6327			
ļ						DAKOTA	8148`			
			r							
							(

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5 LEASE DESIGNATION AND LEASE NO. NMSF-078769

36 I hereby data by the SIGNED	BNO KO	miormation is complete and	correct as determined from all a	vailable records Regulatory Specialist	DATE <u>8/4/09</u>	A	US 0 5 2009		
35 LIST OF ATTACH			ONES, WELLBORE DIAG			ACCEST	EN FOR REC		
34 DISPOSITION OF	· · · · · · · · · · · · · · · · · · ·	ented, etc.). TO BE SOLD			**	TEST WITNESSED BY	'· Weldon Higgins		
FLOW TBG PRESS	CASING PRESSURE 2 lb.	CALCULATEI	D 24-HOUR RATE	OIL - BBL.	GAS – MCF 354 mcf/d	WATER - BBL	OIL GRAVITY-API (CORR)		
7-21-09	ı hr	2"							
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL · BBL	GAS - MCF	WATER - BBL	GAS-OIL RATIO		
	F						vaiting on tie-in		
DATE OF FIRS	T PRODUCTION	PRODU	CTION METHOD (Flowing, ga		e o1 pump)		US (PRODUCING OR SI)		
			<u> </u>				US (BRODUCING OF ST		
	75'-7515' (45, 0.34 I	esh followed w/ 78,870# 40/70 BASF							
	079`-7300` (69, 0.34	•	,	7079`-7300'	Frac w/4511# 100 me	mesh followed w/ 120,560# 40/70 BASF			
	ECORD (Interval, size, and			DEPTH INTERVAL (MD)		LETC OUNT AND KIND OF MATERIAL USED			
11 BEDEOD ATION S	ECORD (Invested			22 ACID EHOT PROC	EUE 8rd TURE, CEMENT SQUEEZE.	ETC			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE 2.375", 4 7#, J-55,	DEPTH SET (MD) 8213'	PACKER SET (MD) none		
29 LINER RECORD					30 TUBING RECORD				
5-1/2	', N-80	17.0#	8264'	6-3/4"	375 SX - 355	50' (CBL)			
7-5/8	', K-55	26.4#	3928	9-7/8"	630 SX – St	JRFACE			
10-3/4	l", J-55	40.5#	312'	14-3/4"	290 SX - SU	JRFACE			
CASING S	(Report all strings set in wel IZE/GRADE	NEIGHT, LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEM		AMOUNT PULLED		
			tron, Temperature, Ultra	Sonic Gas Detector	and CBL	140			
	AND OTHER LOGS RUN	D		Sania Car D	t CDI	27. WAS WELL CORE	ED .		
BASIN MANCO	S: 7079' - 7515' M					No DIST. 3			
			M NAME (MD AND TVD)*	3*		25. WAS DIRECTION	AL SURVEY MADE		
20 TOTAL DEPTH, N	ID & TVD	21 PLUG, BACK T.D., 8259' MD	MD & TVD	22 IF MULTCOMP , HOW MANY	23 INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS JONS. DIV.		
SPUDDED 5-20-09	REACHED 6-6-09	8-	1-09	658	39' GŖ	SCAD UNG 6 ,03			
15 DATE	16 DATE T D	F	(READY TO PRODUCE)	18. ELEVATIONS (DK	, RKB, RT,GR,ETC)*	19. ELEVATION CAS			
				14 PERMIT NO	DATE ISSUED	12 COUNTY OR Rio Arriba	13. STATE New Mexico		
							EA , T31N, R5W		
At tota	l depth Same					11 SEC., T ,R.,M , OR	BLOCK AND		
At top	production interval re	eported below: Same	IN, K5W			Da	ism Mancos		
4 LOCA	TION OF WELL (Re	eport location clearly a 455 FEL, sec 21, T3	and in accordance with a	ny State requirement	Att LIGIO OTIGE	10. FIELD AND	POOL, OR WILDCAT asin Mancos		
		P.O. Box_640, A	Aztec, NM 87410 (505) and in accordance with a	634-4508 Cau of L	and Management	30-039	9-30186-00CZ		
3 ADDRE	SS AND TELEPHONE NO)				9 API WELL NO	Sa UIII #109		
2 NAME 6	OF OPERATOR	WILLIAMS DOO	DUCTION COMPANY	Alla	0 4 2009	8.FARM OR LEASE N	IAME, WELL NO sa Unit #189		
	F COMPLETION. EW WELLworko	VER DEEPEN PLU	JG BACK DIFF RESVR	OTHER	EIVED				
	F WELL I OIL WELL	<u>X</u> GAS WELL	DRY OTHER		• E E A A S E		Rosa Unit		
<u> </u>	LEE COM EI			J. OKI MID L		7 UNIT AGREEMEN			
v	VELL COMPLE	TION OR REC	COMPLETION RI	EPORT AND L	OG*	6 IF INDIAN, ALLOT	TEE OR		

FARMINGTON FIELD COMES

NMOCD

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 recoveries) 38 GEOLOGIC MARKERS FORMATION TOP BOTTOM DESCRIPTION, CONTENTS, ETC NAME TOP MEASURED DEPTH TRUE VERTICAL DEPTH NAME PICTURED CLIFFS 3432 CLIFFHOUSE 56841 MENEFEE 5727` POINT LOOKOUT 5929' MANCOS 6327 DAKOTA 8148