In Lieu 631 ... Form 3160-4 (July 1992)

UNITED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN DUPLICATE FORM APPROVED OMB NO. 1004-0137

Expires: February 28, 1995

BUREAU OF LAND MANAGEMENT (See other instructions on reverse side) 5. LEASE DESIGNATION AND LEASE NO NMSF-078765 6 IF INDIAN ALLOTTEE OR WELL COMPLETION OR RECOMPLETION REPORT AND LOG* 7. UNIT AGREEMENT NAME Rosa Unit 1a TYPE OF WELL: Γ OIL WELL X GAS WELL DRY OTHER ъ TYPE OF COMPLETION X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF.RESVR OTHER 2. NAME OF OPERATOR 8 FARM OR LEASE NAME, WELL NO SEP **24** 2009 . WILLIAMS PRODUCTION COMPANY Rosa Unit #75D ADDRESS AND TELEPHONE NO 9. API WELL NO Democratic officers approximately 30-045-34964 - OOCI . Y Fett mon the on P.O. Box 640, Aztec, NM 87410 (505) 634-4208 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* 10. FIELD AND POOL, OR WILDCAT At Surface 1775' FSL & 605' FWL, sec 10, T31N, R6W Basin Dakota At top production interval reported below, 2218' FNL & 882' FWL, sec 10, T31N, R6W At total depth. Same 11 SEC. T.R.M. OR BLOCK AND SURVEY OR AREA Sec 10, T31N, R6W DATE ISSUED 12 COUNTY OR 14 PERMIT NO. 13 STATE New Mexico San Juan 16. DATE T D 17 DATE COMPLETED (READY TO PRODUCE) 18 ELEVATIONS (DK, RKB, RT, GR, ETC)* 19. ELEVATION CASINGHEAD 15 DATE REACHED 9-23-09 6294' GR SPUDDED 7-2-09 6-18-09 20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T D, MD & TVD 23 INTERVALS ROTARY TOOLS CABLE TOOLS 22 IF MULTCOMP, HOW MANY 8220' MD / 7949' TVD 8206' MD / 7935' TVD DRILLED BY х 24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE BASIN DAKOTA. 8086'-8184' MD Commingles with Mesaverde and Mancos per AZT-3224 26. TYPE ELECTRIC AND OTHER LOGS RUN 27 WAS WELL CORED Νo Aray Induction, Compensated Gamma Ray-Density-Neutron, Temperature, Ultra Sonic Gas Detector and CBL 28 CASING REPORT (Report all strings set in well TOP OF CEMENT, CEMENTING RECORD WEIGHT, LB/FT DEPTH SET (MD) HOLE SIZE AMOUNT PULLED 10-3/4", J-55 290 SX - SURFACE 40.5# 317' 14-3/4" 7-5/8", K-55 674 SX - SURFACE 26.4# 4025 9-7/8" 5-1/2", N-80 17.0# 8208 6-3/4" 350 SX - 3380' (CBL) 29 LINER RECORD 30 TUBING RECORD BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE TOP (MD) SIZE DEPTH SET (MD) PACKER SET (MD) 2 375", 4.7#, J-55 8147' & N-80 EUE 8rd 31 PERFORATION RECORD (Interval, size, and number) 32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC AMOUNT AND KIND OF MATERIAL USED DEPTH INTERVAL Dakota: Total of 72, 0.34" holes Fraced with 5027# 100 mesh BASF followed with 71,760# 40/70 8086'-8184' mesh BASF RCVD SEP 28 '09 OIL CONS. DIV. 33 PRODUCTION DIST. 3 DATE OF FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) WELL STATUS (PRODUCING OR SI) SI - waiting on tie-in Flowing DATE OF TEST TESTED CHOKE SIZE PROD'N FOR TEST OIL - BBL. GAS - MCF WATER - BBL GAS-OIL RATIO PERIOD 9-21-09 🗸 1/2" 2 hr FLOW TBG PRESS CASING PRESSURE CALCULATED 24-HOUR RATE OIL - BBL. GAS -- MCF WATER - BBL OIL GRAVITY-API (CORR.) 1131 mcf/d 350 lb 34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD TEST WITNESSED BY Craig Ward SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM, Directional EOW report ACCEPTED FOR RECORD

35. LIST OF ATTACHMENTS.

36 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

9-24-09

SFP 2 5 2009 FARMINGTON FIELD OFFICE BY T. Salvers

FORMATION	TOP	воттом	DESCRIPTION, CONTENTS, ETC.		NAME	TOP		
						NAME	MEASURED DEPTH	TRUE VERTICAL DEP
					_	PICTURED CLIFFS	3358'	3093'
						LEWIS	3757'	3487'
						CLIFFHOUSE	5580'	5309'
			!			MENEFEE	5632'	5367'
						POINT LOOKOUT	5849'	5578'
			,			MANCOS	6352'	6081'
						DAKOTA	8085'	7814'
		}						
	{							
								-

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 Expires: February 28, 1995

(See other instructions on

reverse side) 5 LEASE DESIGNATION AND LEASE NO. NMSF-078765 6. IF INDIAN.ALLOTTEE OR WELL COMPLETION OR RECOMPLETION REPORT AND LOG* 7 UNIT AGREEMENT NAME Rosa Unit X GAS WELL TYPE OF WELL | COIL WELL OTHER 1 a DRY ь TYPE OF COMPLETION X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF RESVR NMNM- 78407A-MV SEP 24 2009 2 NAME OF OPERATOR 8 FARM OR LEASE NAME, WELL NO Rosa Unit #75D WILLIAMS PRODUCTION COMPANY ADDRESS AND TELEPHONE NO 9. API WELL NO P.O. Box 640, Aztec, NM 87410 (505) 634-4208 30-045-34964 -Ooc3 10. FIELD AND POOL, OR WILDCAT LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At Surface: 1775' FSL & 605' FWL, sec 10, T31N, R6W Blanco Mesaverde At top production interval reported below: 2218' FNL & 882' FWL, sec 10, T31N, R6W At total depth: Same 11. SEC, T,R,M, OR BLOCK AND SURVEY OR AREA Sec 10, T31N, R6W 13 STATE New Mexico DATE ISSUED 14 PERMIT NO San Juan 17 DATE COMPLETED (READY TO PRODUCE) 18 ELEVATIONS (DK, RKB, RT, GR, ETC)* 19 ELEVATION CASINGHEAD 16 DATE T D 15 DATE SPUDDED REACHED 9-23-09 6294' GR RCVD SEP 28'09 7-2-09 6-18-09 20 TOTAL DEPTH, MD & TVD ROTARY TOOLS CABLE TOOLS 21 PLUG, BACK T D, MD & TVD 22 IF MULTCOMP 23 INTERVALS 8220' MD / 7949' TVD 8206' MD / 7935' TVD HOW MANY DRILLED BY *OIL COMS. DIV. 25 WAS DIRECTIONAL SURVEY MADE 24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* DIST. 3 BLANCO MESAVERDE 5596'-6123' MD YES Commingled with Mancos and Dakota per AZT-3224 26 TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED Aray Induction, Compensated Gamma Ray-Density-Neutron, Temperature, Ultra Sonic Gas Detector and CBL 28 CASING REPORT (Report all strings set in well) WEIGHT, LB/FT DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED I0-3/4", J-55 14-3/4" 290 SX - SURFACE 40.5# 317 7-5/8", K-55 26 4# 4025 9-7/8" 674 SX - SURFACE 5-1/2", N-80 17.0# 8208 6-3/4" 350 SX - 3380' (CBL) 29 LINER RECORD 30 TUBING RECORD TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) DEPTH SET (MD) PACKER SET (MD) SIZE SIZE 2 375", 4.7#, J-55 8147 & N-80 EUE 8rd 31 PERFORATION RECORD (Interval, size, and number) 32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC DEPTH INTERVAL AMOUNT AND KIND OF MATERIAL USED (MD) Upper Mesaverde Total of 54, 0.34" holes 5596'-5804' Fraced with 79,640 20/40 mesh BASF 5853'-6123' Lower Mesaverde: Total of 58, 0 34" holes Fraced with 79,342 20/40 mesh BASF 33 PRODUCTION DATE OF FIRST PRODUCTION WELL STATUS (PRODUCING OR SI) PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) SI – waiting on tie-in ✓ Flowing DATE OF TEST TESTED CHOKE SIZE PROD'N FOR TEST OIL - BBL GAS - MCF WATER - BBL GAS-OIL RATIO PERIOD 9-21-09 2 hr 1/2" CALCULATED 24-HOUR RATE FLOW TBG PRESS CASING PRESSURE OIL - BBL GAS - MCF WATER - BBL OIL GRAVITY-API (CORR) 0 1839 mcf/d **√** 350 lb 34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TO BE SOLD TEST WITNESSED BY Craig Ward SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM, Directional EOW report 35 LIST OF ATTACHMENTS ACCEPTED FOR BECORD

SIGNED

36 I hereby certify that the foregoing and attached info nation is complete and correct as determined from all available records

TITLE Drlg COM DATE 9-24-09

SEP 2 5 2009

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 3358' 3093' **LEWIS** 3757' 3487' CLIFFHOUSE 5580' 5309' MENEFEE 5632' 5367' POINT LOOKOUT 5849' 5578' MANCOS 6352' 6081' DAKOTA 8085' 7814'

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)

Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO.

							MSF-078765		
	WELL COMPL	ETION OR RE	COMPLETION R	EPORT AND L	OG*	6 IF INDIAN,ALLO	OTTEE OR		
la. TYPE	E OF WELL FOIL WELL	7. UNIT AGREEMENT NAME Rosa Unit							
	NEW WELL WORK	OVER DEEPEN PL	UG BACK DIFF RESVE			Report to lease			
2 NAM	E OF OPERATOR			ç	EP 24 2009	8 FARM OR LEASE	NAME, WELL NO		
		WILLIAMS PRO	DUCTION COMPAN	Y 3E! 2 % E003		Rosa Unit #75D			
3 ADDI	RESS AND TELEPHONE N	Ю		Burgu	of Land Managem	API WELL NO			
	···		Aztec, NM 87410 (505	5) 634-4208 Ferri	into Field Office	30-045-34964-0062			
	•		and in accordance with	ny State requirements)*		10 FIELD AND POOL, OR WILDCAT			
At to	urface: 1775' FSL & op production interval tal depth. Same	Basin Mancos 11 SEC, T,R,M, OR BLOCK AND SURVEY OR AREA Sec 10, T31N, R6W							
				14 PERMIT NO	DATE ISSUED	12 COUNTY OR San Juan	13 STATE New Mexico		
15 DATE SPUDDED 6-18-09	SPUDDED REACHED		D (READY TO PRODUCE) 23-09	18 ELEVATIONS (DK	, RKB, RT,GR,ETC)* 19 ELEVATION CASINGHEAD 24' GR		SINGHEAD		
20 TOTAL DEPTH, 8220' ME	MD & TVD) / 7949' TVD	21 PLUG, BACK T D, 8206' MD / 7935'		22 IF MULTCOMP, HOW MANY 3 *	23 INTERVALS DRILLED BY	ROTARY TOOLS X	CABLE TOOLS		
	* **	*	M, NAME (MD AND TVD)*	•			NAL SURVEY MADE		
	ICOS 7010'-7483' CAND OTHER LOGS RUN		Commingled with	Mesaverde and Dako	ta per AZT-3224	YES 27 WAS WELL CORED			
Aray Induction	on, Compensated Gan	nma Ray-Density-Neu	tron, Temperature, Ultra	a Sonic Gas Detector	and CBL	No No			
	(Report all strings set in we SIZE/GRADE	li) WEIGHT, LB /FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEM	MENTING RECORD	AMOUNT PULLED		
	10-3/4", J-55		40.5# 317'		290 SX - SURFACE				
7-5/8", K-55		26 4#	4025'	9-7/8"	674 SX – SURFACE				
5-1/2", N-80		17 0#	8208'	6-3/4"	350 SX – 3380' (CBL)				
29 LINER RECORD SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30 TUBING RECORD SIZE	DEPTH SET (MD)	PACKER SET (MD)		
					2 375", 4.7#, J-55 & N-80 EUE 8rd	8147'	none		
31 PERFORATION F	RECORD (Interval, size, and	number)		32 ACID, SHOT, FRAC DEPTH INTERVAL	TURE, CEMENT SQUEEZE, AMOU	ETC. JNT AND KIND OF MA	TERIAL USED		
				(MD)			ran province		
Upper Mancos.	Total of 72, 0.34" ho	oles /		7010'-7240'	Fraced with 5121# 100 mesh BASF followed with 107,780# 40/70 mesh BASF RCUD SEP 28 '09				
Lower Mancos:	Total of 78, 0 34" hol	les		7318'-7483'	Fraced with 5023# 10 BASF	ced with 5023# 100 mesh BASF followed with 98,060# 40/70 SF OIL CONS. DIV.			
33 PRODUCTION						D	IST. 3		
DATE OF FIRS	T PRODUCTION	PRODU	CTION METHOD (Flowing, ga	as lift, pumping-size and type	WELL STATUS (PRODUCING OR SI) SI — waiting on tie-in				
DATE OF TOOM	arows.	GHOVE SYST. 1			048 3307				
9-21-09 ✓	TESTED 2 hr	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS – MCF	WATER - BBL	GAS-OIL RATIO		
LOW TBG PRESS	i 1		OIL – BBL.	GAS - MCF 1745 mcf/d	WATER - BBL	OIL GRAVITY-API (CORR)			
4 DISPOSITION OF	GAS (Sold, used for fuel, ve	nted, etc.) TO BE SOLD		____		TEST WITNESSED B	Y Craig Ward		
5 LIST OF ATTACH	MENTS SUMM	ACCE	TED FOR RECORD						
6 I hereby certify that	the foregoing and attached i	nformation is complete and c	orrect as determined from all av	allable records		l March	TO THE TAXABLE PROPERTY.		

SIGNED Maggin

__ TITLE <u>Drlg COM</u> DATE <u>9-24-09</u>

SEP 2 5 2009

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 воттом DESCRIPTION, CONTENTS, ETC NAME TOP . TRUE VERTICAL DEPTH MEASURED DEPTH NAME PICTURED CLIFFS 3358' 3093' LEWIS 3757' 3487' CLIFFHOUSE 5580' 5309' MENEFEE 5632' 5367' POINT LOOKOUT 5849' 5578' MANCOS 6352' 6081' DAKOTA 8085' 7814'