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

	` <u></u>				everse side)		ATION AND LEASE NO.  NMSF-078767	
	WELL COMPL	ETION OR RE	COMPLETION R	FPORT AND I	OG*	6 IF INDIAN,ALLO	OTTEE OR	
	of WELL TOIL WELL		DRY OTHER	EFORT AND L	<u>oo</u>	7. UNIT AGREEME	NT NAME Rosa Unit	
b TYPE	OF COMPLETION  VEW WELL WORKS	_	UG BACK DIFF RESVR	OTHER RE	CEWED	Report	to lease	
	E OF OPERATOR	,	DUCTION COMPANY		V <b>20</b> 2009	8.FARM OR LEASE	NAME, WELL NO	
3. ADDR	ESS AND TELEPHONE N	O.				9. API WELL NO.	JSA OIR #134B	
		P.O. Box 640,	Aztec, NM 87410 (505	) 634-4208 uraeu of	Land Manageme	30-0	39-30804 - 0062	
4. LOC	ATION OF WELL (R	Report location clearly	and in accordance with a	any State requirement	S) FIT FIELD OFFICE	10 FIELD AND	POOL, OR WILDCA	T
At to		30' FEL, sec 7, T31N, reported below: 2336	R5W 'FSL & 975' FEL, sec 7	, T31N, R5W 💉		11 SEC , T ,R.,M., C	Basin Mancos	
						SURVEY OR AI		
				14 PERMIT NO	DATE ISSUED	12 COUNTY OR Rio Arriba	13. STATE New Mexi	MD)  # 40/70  # 40/70  TIO
15 DATE SPUDDED 9-28-09	16 DATE T.D REACHED 10-10-09	1	D (READY TO PRODUCE) -17-09	18 ELEVATIONS (DK. 635	RKB, RT,GR,ETC)* 5' GR	19 ELEVATION CA	SINGHEAD	
20 TOTAL DEPTH,	MD & TVD / 8012; TVD	21 PLUG, BACK T D , 8256' MD / 8006'		22. IF MULTCOMP, HOW MANY 3 *	23 INTERVALS DRILLED BY	ROTARY TOOLS X	CABLE TOOLS	
	* **		M, NAME (MD AND TVD)*		L	25 WAS DIRECTION	NAL SURVEY MADE	
	COS: 7100'-7750' AND OTHER LOGS RUN		Commingled with Mesa	averde and Dakota pe	r AZT-3277	YES 27 WAS WELL COR	ED	
			tron, Ultra Sonic Gas De	ector and CBL		No No		
			casing is mixed string of				T AMOUNT NAVA	
	SIZE/GRADE 4", J-55	WEIGHT, LB /FT 40.5#	DEPTH SET (MD) 316'	HOLE SIZE 14-3/4"	TOP OF CEMENT, CEI		AMOUNT PULLE	
	", K-55	26.4#	3882'	9-7/8"	600 SX – S		<u> </u>	
5-1/2	", N-80	17 0#	SEE BELOW	9-7/8"	SEE BE	LOW		
4-1/2	", N-80	11.6#	8261'	6-3/4"	590 SX -170	60' (CBL)		
29 LINER RECORD					30 TUBING RECORD		L	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE 2 375", 4.7#, J-55 & N-80 EUE 8rd	DEPTH SET (MD) 8141'	PACKER SET (MD none	)
31. PERFORATION R	ECORD (Interval, size, and	number)		32 ACID, SHOT, FRACT DEPTH INTERVAL (MD)	TURE, CEMENT SQUEEZE, AMOI	ETC UNT AND KIND OF MA	TERIAL USED	
<i>Upper MC</i> · Tota	of 66, 0 34" holes			7100'-7310'	mesh BASF	RCVD	owed with 119,800# 40 DEC 1 '09	
Lower MC Tota	d of 75, 0.34" holes			7400'-7750'	Fraced with 4900# 10 mesh BASF		owed with 97,800# 40/ ONS. DIV.	70
33 PRODUCTION				······································		. 1	15T. 3	
DATE OF FIRS	T PRODUCTION	PRODU	CTION METHOD (Flowing, gas	s lift, pumping-size and type	of pump)	WELL STAT	US (PRODUCING OR SI)	
•	Ì		Flowi	ing /		SI – v	vaiting on tie-in	
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS – MCF	WATER - BBL	GAS-OIL RATIO	
11-15-09	2 hr	1/2"						
FLOW TBG PRESS 0	CASING PRESSURE 440 lb	CALCULATED	24-HOUR RATE	OIL - BBL	GAS – MCF 975 mcf/d	WATER - BBL.	OIL GRAVITY-API (CO	RR)
34 DISPOSITION OF	GAS (Sold, used for fuel, ve	nted, etc ) TO BE SOLD				TEST WITNESSED BY	Y Serjio Borunda	
35 LIST OF ATTACH	MENTS SUMN	MARY OF POROUS ZO	NES, WELLBORE DIAGR	AM,		ACCEP	TED FOR RECORD	1
36 I hereby certify that SIGNED	the foregoing and attached i	n rmation is complete and c	orrect as determined from all ava	allable records	11-20-09		2320	
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NMOCD #0

FARMINGTON FIELD OFFICE BY TI SAYES

FORMATION	тор воттом		DESCRIPTION, CONTENTS, ETC		NAME	TOP			
						NAME	MEASURED DEPTH	TRUE VERTICAL DE	
						LEWIS	3770'	3523'	
,			i			CLIFFHOUSE	5653'	5404'	
						POINT LOOKOUT	5925'	5675'	
						MANCOS	6429'	6179'	
				,		GRANEROS	8035'	7785'	
	1		•			DAKOTA	8170'	7920'	
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In Lieu or. Form 3160-4

## UNITED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN **DUPLICATE** 

OMB NO 1004-0137

FORM APPROVED

(July 1992) Expires: February 28, 1995 BUREAU OF LAND MANAGEMENT (See other instructions on reverse side) 5. LEASE DESIGNATION AND LEASE NO NMSF-078767 6 IF INDIAN ALLOTTEE OR WELL COMPLETION OR RECOMPLETION REPORT AND LOG\* 7 IINIT AGREEMENT NAME TYPE OF WELL. FOIL WELL X GAS WELL Rosa Unit OTHER RECEIVED b TYPE OF COMPLETION NMMM- 78407A-MV X NEW WELL WORKOVER DEEPEN PLUG BACK DIFF RESVR NOV 20 2009 2 NAME OF OPERATOR 8. FARM OR LEASE NAME, WELL NO. WILLIAMS PRODUCTION COMPANY Rosa Unit #154B 9. API WELL NO. 3. ADDRESS AND TELEPHONE NO Bureau of Land Management P.O Box 640, Aztec, NM 87410 (505) 634-4208mington Field Office 30-039-30804 - 6063 4. 10. FIELD AND POOL, OR WILDCAT LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\* At Surface: 990' FSL & 880' FEL, sec 7, T31N, R5W Blanco Mesaverde At top production interval reported below · 2336' FSL & 975' FEL, sec 7, T31N, R5W At total depth Same 11 SEC . T .R .M . OR BLOCK AND SURVEY OR AREA Sec 7, T31N, R5W DATE ISSUED 12. COUNTY OR 14. PERMIT NO. 13 STATE New Mexico Rio Arriba 16. DATE T.D. 17. DATE COMPLETED (READY TO PRODUCE) 18. ELEVATIONS (DK. RKB. RT.GR.ETC )\* 19 ELEVATION CASINGHEAD 15 DATE REACHED 6355' GR SPUDDED 11-17-09 10-10-09 9-28-09 20 TOTAL DEPTH, MD & TVD 21 PLUG, BACK T D, MD & TVD 22 IF MULTCOMP, 23 INTERVALS ROTARY TOOLS CABLE TOOLS HOW MANY DRILLED BY 8262' MD / 8012' TVD 8256' MD / 8006' TVD 24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) 25 WAS DIRECTIONAL SURVEY MADE BLANCO MESAVERDE: 5669'-6324' MD Commingled with Mancos and Dakota per AZT-3277 YES 27. WAS WELL CORED 26 TYPE ELECTRIC AND OTHER LOGS RUN Aray Induction, Compensated Gamma Ray-Density-Neutron, Ultra Sonic Gas Dector and CBL 28 CASING REPORT (Report all strings set in well) NOTE: production casing is mixed string of 52 jts 4-1/2" (6252'-8262') & 164 jts 5-1/2" (surface-6252') WEIGHT, LB /FT DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED CASING SIZE/GRADE 14-3/4" 290 SX - SURFACE 10-3/4", J-55 40.5# 316 7-5/8", K-55 26.4# 3882 9-7/8" 600 SX - SURFACE SEE BELOW 5-1/2", N-80 17.0# SEE BELOW 9-7/8" 4-1/2", N-80 11 6# 82613 6-3/4" 590 SX -1760' (CBL) 29 LINER RECORD 30 TUBING RECORD SCREEN (MD) DEPTH SET (MD) PACKER SET (MD) TOP (MD) BOTTOM (MD) SACKS CEMENT\* SIZE SIZE 2.375", 4.7#, J-55 8141 & N-80 EUE 8rd 31 PERFORATION RECORD (Interval, size, and number) 32 ACID, SHOT, FRAC TURE, CEMENT SQUEEZE, ETC AMOUNT AND KIND OF MATERIAL USED DEPTH INTERVAL Fraced with 85,904# 20/40 mesh BASE DEC 1'09 5669'-5879' Upper MV: Total of 52, 0 34" holes OIL CONS. DIV. Lower MV: Total of 56, 0 34" holes 5925'-6324' Fraced with 81,902# 20/40 mesh BASF 33 PRODUCTION DIST. 3 WELL STATUS (PRODUCING OR SI) DATE OF FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) Flowing -SI - waiting on tie-in -DATE OF TEST CHOKE SIZE PROD'N FOR TEST OIL - BBL GAS ~ MCF WATER - BBL GAS-OIL RATIO TESTED PERIOD 11-15-09 1/2" 2 hr CALCULATED 24-HOUR RATE WATER - BBL OIL GRAVITY-API (CORR ) FLOW TBG PRESS CASING PRESSURE OIL - BBL GAS - MCF 1027 mcf/d 0 440 lh

35. LIST OF ATTACHMENTS

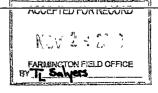
34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TO BE SOLD

SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM,

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

TITLE Drlg COM DATE \_\_11-20-09

NMOCD #



TEST WITNESSED BY Seruo Borunda

FORMATION	TOP BOTTOM DESCRIPTION, CONTENTS, ETC.			CONTENTS ETC					
PORMATION	ТОР	воттом	DESCRIPTION, (	CONTENTS, ETC.	NAME	NAME	TOP MEASURED	TRUE VERTICAL DEPTH	
							DEPTH	·	
						LEWIS	3770'	3523'	
						CLIFFHOUSE	5653'	5404'	
						POINT LOOKOUT	5925'	5675'	
				`		MANCOS	6429'	6179'	
						GRANEROS	8035'	7785'	
						DAKOTA	8170'	7920'	
	-					<u>.</u>			
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In Lieu of Form 3160 (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)

				_	·	N DEFINE DESIGNA	IMSF-078767	
	WELL COMPL	ETION OR RE	COMPLETION R	EPORT AND I	LOG*	6. IF INDIAN,ALLO	TTEE OR –	
	OF WELL   COIL WELL		DRY OTHER		CEIVED	7 UNIT AGREEME	NT NAME Rosa Unit	
	OF COMPLETION: VEW WELL WORKS	OVER DEEPEN PL	UG BACK DIFF RESVR	. OTHER NO	V <b>2.0</b> 2009	Report	to lease	
2 NAMI	OF OPERATOR					8 FARM OR LEASE	NAME, WELL NO	
			DUCTION COMPANY	dureau o	f Land Menagemer <del>igion Field Office</del>	J	sa Unit #154B	
3. ADDR	ESS AND TELEPHONE N		Aztec, NM 87410 (505		Store a rest Office	9. API WELL NO. 30-03	9-30804 <b>-00C1</b>	
4. LOC	ATION OF WELL (R		and in accordance with	<del></del> _	its)*		POOL, OR WILDCAT	
At St At to	ırface: 990' FSL & 88	30' FEL, sec 7, T31N,		•	,		Basın Dakota	
		•						
				14 PERMIT NO	DATE ISSUED	12 COUNTY OR Rio Arriba	13 STATE New Mexico	
15 DATE SPUDDED 9-28-09	16 DATE T D REACHED 10-10-09	j	D (READY TO PRODUCE) -17-09	'	C, RKB, RT,GR,ETC.)* 55' GR	19 ELEVATION CAS	SINGHEAD	
20. TOTAL DEPTH, 8262' MD	/ 8012' TVD	21 PLUG, BACK T.D., 8256' MD / 8006'	TVD	22 IF MULTCOMP, HOW MANY 3 *	23 INTERVALS DRILLED BY	ROTARY TOOLS X	CABLE TOOLS	
			M, NAME (MD AND TVD)*		- AGT 1073	25 WAS DIRECTION	IAL SURVEY MADE	
	OTA: 8172'-8254' CAND OTHER LOGS RUN		Commingled with Mesa	averde and Mancos p	er AZ1-32//	YES 27 WAS WELL COR	ED	
Aray Induction	on, Compensated Gam	nma Ray-Density-Neu	tron, Ultra Sonic Gas De	ector and CBL		No		
28 CASING REPORT	(Report all strings set in wel		casing is mixed string of	f 52 jts 4-1/2" (6252'				
	SIZE/GRADE	, WEIGHT, LB /FT 40 5#	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEM 290 SX - SU		AMOUNT PULLED	
	3", K-55	26 4#	3882'	9-7/8"	600 SX - SU			
	", N-80	17.0#	SEE BELOW	9-7/8"	SEE BEI			
	", N-80	11 6#	8261'	6-3/4"	590 SX -176		:	
29 LINER RECORD					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 & N-80 EUE 8rd	8141'	none	
31 PERFORATION R	ECORD (Interval, size, and	number)		32 ACID, SHOT, FRAC DEPTH INTERVAL	TURE, CEMENT SQUEEZE, : AMOU	ETC INT AND KIND OF MAT	TERIAL USED	
Dakota. Total of	f 66, 0.34" holes /			(MD)				
				8172'-8254'	Fraced with 5000# 10 mesh BASF		owed with 102,900# 40/70	
							ONS. DIV. IST. 3	
33 PRODUCTION					l	-		
DATE OF FIRS	T PRODUCTION	PRODU	CTION METHOD (Flowing, ga	s lift, pumping-size and typ	e of pump)	WELL STAT	US (PRODUCING OR SI)	
FI			Flow	ıng 🖊	-	SI – waiting on tie-in		
DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST	OIL - BBL	GAS – MCF	WATER - BBL.	GAS-OIL RATIO	
11-15-09	2 hr	1/2"	PERIOD		,			
FLOW TBG PRESS	CASING PRESSURE	CALCULATED	24-HOUR RATE	OIL - BBL	GAS – MCF	WATER - BBL	OIL GRAVITY-API (CORR )	
0	440 lb				632 mcf/d -			
4. DISPOSITION OF	GAS (Sold, used for fuel, ver	nted, etc ) TO BE SOLD				TEST WITNESSED BY	/ Serjio Borunda	
5. LIST OF ATTACH	MENTS SUMA	MARY OF POROUS ZO	NES, WELLBORE DIAGE	RAM,		1,00-000	CEPTED FOR RECORD	
					·····	Н	#	

TITLE Drlg COM DATE 11-20-09

FORMATION	тор воттом		DESCRIPTION, CONTENTS, ETC.		NAME	ТОР			
						NAME	MEASURED DEPTH	TRUE VERTICAL DEF	
							3770'	3523'	
ļ						CLIFFHOUSE	5653'	5404'	
						POINT LOOKOUT	5925'	5675'	
:						MANCOS	6429'	6179'	
						GRANEROS	8035'	7,785'	
						DAKOTA	8170'	7920'	
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