1-21-36 -

Form 3160-4 (October 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE⁴
(See other Instructions on

reverse side)

SEP 3 0 2009
FOR APPROVED
OMB NO 1004-0137, 32-005

OMB NO 1004-0137

5 LEASE DESIGNATION AND SERIAL NO

VELL C		والمراجع و							
	OMP	LETION OR I		ETION REP	ORT AND L	.OG*	6 IF INDIAN, ALLO	TEE OR TRIBE NAME	
a TYPE OF	WELL:	OIL WELL	GAS WELL X	DRY Other]		
b. TYPE OF	COMPLE	TIONI					7 UNIT AGREEMEN	1 1	
· 111 L OI		Report to lease. 8 FARM OR LEASE NAME, WELL NO							
	MEM)								
NAME O	COPERAT	-00					Reese Mesa 104S 9 API WELL NO		
		n Resources Oil	& Gas Comn	anv					
		LEPHONE NO.	a das comp	uny			30-045-34962 - 0051		
		89, Farmington, N	M 87499 (50	05) 326-9700			Basin Fruitland Coal		
LOCATIO		11 SEC, T, R, M., OR BLOCK AND SURVEY							
At surface	e P	OR AREA ROUD OCT 7'09							
At top pro	d interval	reported below	P (SESE), 861	' FSL & 1272' FEL	. ◀		SEC. 12, T32N, R8W		
				.1					
At total de	epth K	(NESW) 1520' FN	L & 1848. FWL	•				051.8	
			ſ	14. PERMIT NO.	DATE ISSUED		12 COUNTY OR	13. STATE	
]		DATE GOOD		PARISH		
			117 547	OMBL /Po-ture	1		San Juan	New Mexico	
DATE SPU	1	DATE T D REACHED	DATE (OMPL. (Ready to prod.) 09/10/2009	18	ELEVATIONS (DF, R	KB, RT, BR, ETC)*	19 ELEV CASINGHEA	
06/08/20 TOTAL DE		6/27/2009 VD 21. PLUG, E	BACK T D., MD &TVI		OMPL., 23	INTERVALS	ROTARY TOOLS	CABLE TOOLS	
				HOW		DRILLED BY		,	
	7' TVD 3		85' TVD 3429				yes	<u></u>	
PRODUCT	ION INTERV	AL (S) OF THIS COMPLE	ETION-TOP, BOTTO	M, NAME (MD AND TVD)	•		25. WAS DIRI		
Basin !	Fruitland	d Coal 3812' - 63	88'				John	SURVEY MADE YES	
		OTHER LOGS RUN					27 WAS WELL CORE		
					·			No	
3				CASING RECORD	(Report all strings se	et in well)			
CASING SIZ		WEIGHT, LB/FT	DEPTH SET (M	D) HOLE SIZE	TOP OF CEMEN	IT, CEMENTING RECO		AMOUNT PULLED	
CASING SIZ 9 5/8" /	H-40	32.3#	285'	D) HOLE SIZE 12 1/4"	TOP OF CEMEN Surface, 8	IT, CEMENTING RECO	s)	19 bbis	
CASING SIZ	H-40			D) HOLE SIZE	TOP OF CEMEN Surface, 8	IT, CEMENTING RECO	s)	, , , , , , , , , , , , , , , , , , , 	
9 5/8" / 7" / J	H-40	32.3# 23#	285' 4123'	D) HOLE SIZE 12 1/4"	Surface, 856	IT, CEMENTING RECO	ols)	19 bbls 26 bbls	
9 5/8" / 7" / J	H-40	32.3# 23# LINER RE	285' 4123'	D) HOLE SIZE 12 1/4" 8 3/4"	TOP OF CEMEN Surface, 8	IT, CEMENTING RECO	TUBING RECO	19 bbls 26 bbls	
CASING SIZ 9 5/8" / 7" / J	H-40 -55	32.3# 23# LINER RE	285' 4123' ECORD	D) HOLE SIZE 12 1/4" 8 3/4"	Surface, 856	IT, CEMENTING RECC 5sx(137cf-24bbls 5sx(1156cf-206bb DEPTH SET (TUBING RECO	19 bbls 26 bbls	
CASING SIZ 9 5/8" / 7" / J SIZE 4 1/2"	TOP (MD 3812)	32.3# 23# LINER RE) BOTTOM (MD) 6388'	285' 4123' ECORD SACKS CEMEN NONE	D) HOLE SIZE 12 1/4" 8 3/4" SCREEN (MD)	TOP OF CEMEN Surface, 85 Surface, 656 30. SIZE 2 3/8", 4.7#, J-	IT, CEMENTING RECO 55x(137cf-24bbls 55x(1156cf-206bb DEPTH SET (55 3914'	TUBING RECO	19 bbis 26 bbis RD PACKER SET (MD)	
CASING SIZ 9 5/8" / 7" / J SIZE 4 1/2" PERFORA	H-40 -55 TOP (MD 3812'	32.3# 23# LINER RE) BOTTOM (MD)	285' 4123' ECORD SACKS CEMEN NONE	D) HOLE SIZE 12 1/4" 8 3/4"	TOP OF CEMEN Surface, 85 Surface, 656 30. SIZE 2 3/8", 4.7#, J-	IT, CEMENTING RECO 55x(137cf-24bbls 55x(1156cf-206bb DEPTH SET (55 3914'	TUBING RECO	19 bbis 26 bbis RD PACKER SET (MD)	
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CASING SIZ 9 5/8" / 7" / J 9 SIZE 4 1/2" PERFORA uitland Cc PJ @ 410	TOP (MD 3812' TION RECO Daf 0' - 6388'	32.3# 23# LINER RE) BOTTOM (MD) 6388' RD (Interval, size and num	285' 4123' ECORD SACKS CEMEN NONE	D) HOLE SIZE 12 1/4" 8 3/4" SCREEN (MD)	TOP OF CEMEN Surface, 85 Surface, 656 30. SIZE 2 3/8", 4.7#, J-	T, CEMENTING RECO 55x(137cf-24bbls 55x(1156cf-206bb DEPTH SET (55 3914' SHOT, FRACTURE,	TUBING RECO	19 bbis 26 bbis RD PACKER SET (MD)	
CASING SIZ 9 5/8" / 7" / J SIZE 4 1/2" PERFORA Littland Co PJ @ 410	TOP (MD 3812' TION RECO Daf 0' - 6388'	32.3# 23# LINER RE) BOTTOM (MD) 6388' RD (Interval, size and nun	285' 4123' ECORD SACKS CEMEN NONE	D) HOLE SIZE 12 1/4" 8 3/4" SCREEN (MD)	TOP OF CEMEN Surface, 85 Surface, 656 30. SIZE 2 3/8", 4.7#, J-	T, CEMENTING RECO 55x(137cf-24bbls 55x(1156cf-206bb DEPTH SET (55 3914' SHOT, FRACTURE,	TUBING RECO	19 bbis 26 bbis RD PACKER SET (MD)	
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SIZE 4 1/2" PERFORA uitland Co	TOP (MD 3812' TION RECO Daf 0' - 6388'	32.3# 23# LINER RE) BOTTOM (MD) 6388' RD (Interval, size and nun	285' 4123' ECORD SACKS CEMEN NONE	D) HOLE SIZE 12 1/4" 8 3/4" T SCREEN (MD) 32.	TOP OF CEMEN Surface, 85 Surface, 656 30. SIZE 2 3/8", 4.7#, J-	T, CEMENTING RECO 55x(137cf-24bbls 55x(1156cf-206bb DEPTH SET (55 3914' SHOT, FRACTURE,	TUBING RECO	19 bbls 26 bbls RD PACKER SET (MD)	
SIZE 4 1/2" PERFORA PILITARIO CO JUILLAND PARTICIPA	TOP (MD 3812' TION RECO paí 0' - 6388'	32.3# 23# LINER RE BOTTOM (MD) 6388' RD (Interval, size and num = 102 Holes Holes = 102	285' 4123' ECORD SACKS CEMEN NONE	D) HOLE SIZE 12 1/4" 8 3/4" T SCREEN (MD) 32.	TOP OF CEMEN Surface, 856 Surface, 656 30. SIZE 2 3/8", 4.7#, J-	T, CEMENTING RECO 55x(137cf-24bbls 55x(1156cf-206bb DEPTH SET (55 3914' SHOT, FRACTURE,	TUBING RECO	19 bbis 26 bbis RD PACKER SET (MD)	
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SIZE 4 1/2" PERFORA uitland Co pJ @ 410	TOP (MD 3812' TION RECO Daf 0' - 6388' Dail Total	32.3# 23# LINER RE BOTTOM (MD) 6388' RD (Interval, size and num = 102 Holes Holes = 102 PRODUC	285' 4123' ECORD SACKS CEMEN NONE mber) CTION METHOD (FA	D) HOLE SIZE 12 1/4" 8 3/4" TO SCREEN (MD) 32. Prowing, gas lift, pumping—serving, gas lift, pumping—serving.	TOP OF CEMEN Surface, 856 Surface, 656 30. SIZE 2 3/8", 4.7#, J- ACID, 9 RODUCTION lize and type of pump)	T, CEMENTING RECO 55x(137cf-24bbls 55x(1156cf-206bb DEPTH SET (55 3914' SHOT, FRACTURE,	TUBING RECO	19 bbis 26 bbis RD PACKER SET (MD) E, ETC.	
SIZE 4 1/2" PERFORA Jitland Co Jitland Co Jitland Co Jitland Co	H-40 -55 TOP (MD 3812' TION RECO Dal 0' - 6388' Dal Total I	32.3# 23# LINER RE D) BOTTOM (MD) 6388' RD (Interval, size and nun = 102 Holes Holes = 102 PRODUC FLO	285' 4123' ECORD SACKS CEMEN NONE The properties of the properti	D) HOLE SIZE 12 1/4" 8 3/4" T SCREEN (MD) 32. Prowing, gas lift, pumping-s	TOP OF CEMEN Surface, 856 Surface, 656 30. SIZE 2 3/8", 4.7#, J- ACID, 5 RODUCTION ize and type of pump) SBL G	IT, CEMENTING RECO 55x(137cf-24bbls 55x(1156cf-206bb DEPTH SET (55 3914' SHOT, FRACTURE, O STIMULATION AS-MCF	TUBING RECO	19 bbls 26 bbls RD PACKER SET (MD) E, ETC.	
PERFORA Jitland Co	TOP (MD 3812' TION RECO Dal 0' - 6388' DAI TOTAL	32.3# 23# LINER RE D) BOTTOM (MD) 6388' RD (Interval, size and nun = 102 Holes Holes = 102 PRODUC FLO HOURS TESTED 1 hr.	285' 4123' ECORD SACKS CEMEN NONE The state of the state	D) HOLE SIZE 12 1/4" 8 3/4" TO SCREEN (MD) 32. Prowing, gas lift, pumping—serving, gas lift, pumping—serving.	TOP OF CEMEN Surface, 856 Surface, 656 30. SIZE 2 3/8", 4.7#, J- ACID, S NO RODUCTION ize and type of pump) BBL G	IT, CEMENTING RECO 55x(137cf-24bbls 55x(1156cf-206bb DEPTH SET (55 3914' SHOT, FRACTURE, O STIMULATION AS-MCF 109 mcf/h	TUBING RECOME TUBING RECOME CEMENT SQUEEZE DONE WELL STATUS SI WATER-BBL O bwph	19 bbls 26 bbls RD PACKER SET (MD) E, ETC. S (Producing or shut-in) GAS-OIL RATIO	
SIZE 4 1/2" PERFORA Jitland Co Jitland Co Jitland Co E FIRST PRO E OF TEST 09/10/2	H-40 -55 TOP (MD 3812' TION RECO Dal 0' - 6388' DAI TOTAL	32.3# 23# LINER RE D) BOTTOM (MD) 6388' RD (Interval, size and nun = 102 Holes Holes = 102 PRODUC FLO	285' 4123' ECORD SACKS CEMEN NONE The state of the stat	D) HOLE SIZE 12 1/4" 8 3/4" TO SCREEN (MD) 32. 32. PROD'N FOR OIL-EIEST PERIOD	TOP OF CEMEN Surface, 856 Surface, 656 30. SIZE 2 3/8", 4.7#, J- ACID, 5 RODUCTION ize and type of pump) SBL G	IT, CEMENTING RECO 55x(137cf-24bbls 55x(1156cf-206bb DEPTH SET (55 3914' SHOT, FRACTURE, O STIMULATION AS-MCF	TUBING RECOME TUBING RECOME CEMENT SQUEEZE DONE WELL STATUS SI WATER-BBL O bwph	19 bbls 26 bbls RD PACKER SET (MD) E, ETC. S (Producing or shut-in) GAS-OIL RATIO	
PERFORA Littland Co Littland C	TOP (MD 3812' TION RECO pal 0' - 6388' pal Total I	32.3# 23# LINER RE) BOTTOM (MD) 6388' RD (Interval, size and nun = 102 Holes Holes = 102 PRODUC FLO HOURS TESTED 1 hr. CASING PRESSURE SI - 1239psi	285' 4123' ECORD SACKS CEMEN NONE Ther) CTION METHOD (FIGURE SIZE 1/2" CALCULATED 24-HOUR RATE	D) HOLE SIZE 12 1/4" 8 3/4" TO SCREEN (MD) 32. 32. PROD'N FOR OIL-EIEST PERIOD	TOP OF CEMEN Surface, 856 Surface, 656 30. SIZE 2 3/8", 4.7#, J- ACID, S NO RODUCTION ize and type of pump) BBL G	DEPTH SET (55 3914' SHOT, FRACTURE, D STIMULATION AS-MCF 109 mcf/h WATER-BB	TUBING RECOME TUBING RECOME CEMENT SQUEEZE DONE WELL STATUS SI WATER-BBL O bwph	19 bbls 26 bbls RD PACKER SET (MD) E, ETC. S (Producing or shut-in) GAS-OIL RATIO	
PERFORA Jitland Co Litland Co	TOP (MD 3812' TION RECO pal 0' - 6388' pal Total I	32.3# 23# LINER RE) BOTTOM (MD) 6388' RD (Interval, size and nun = 102 Holes Holes = 102 PRODUC FLO HOURS TESTED 1 hr. CASING PRESSURE SI - 1239psi (Sold, used for fuel, ventel	285' 4123' ECORD SACKS CEMEN NONE Ther) CTION METHOD (FIGURE SIZE 1/2" CALCULATED 24-HOUR RATE	D) HOLE SIZE 12 1/4" 8 3/4" T SCREEN (MD) 32. PPOWING, gas lift, pumping-s PROD'N FOR OIL-E TEST PERIOD OIL-BBL	TOP OF CEMEN Surface, 856 Surface, 656 30. SIZE 2 3/8", 4.7#, J- ACID, 3 NO RODUCTION Ize and type of pump) IZE and type of pump) IZE ACID, SUZE O GAS-MCF	DEPTH SET (55 3914' SHOT, FRACTURE, D STIMULATION AS-MCF 109 mcf/h WATER-BB	TUBING RECOMD TUBING RECOMD CEMENT SQUEEZE DONE WELL STATUS SI WATER-BBL O bwph	19 bbis 26 bbis RD PACKER SET (MD) E, ETC. G (Producing or shut-in) GAS-OIL RATIO OIL GRAVITY-API (CORF	
PERFORA Littland Co Littland	TOP (MD 3812' TION RECO Dal 0' - 6388' DAI TOTAL DEDUCTION N/A 2009 7 PRESS 7psi ON OF GAS	32.3# 23# LINER RE) BOTTOM (MD) 6388' RD (Interval, size and nun = 102 Holes Holes = 102 PRODUC FLO HOURS TESTED 1 hr. CASING PRESSURE SI - 1239psi (Sold, used for fuel, venter) To be sold	285' 4123' ECORD SACKS CEMEN NONE Ther) CTION METHOD (FIGURE SIZE 1/2" CALCULATED 24-HOUR RATE	D) HOLE SIZE 12 1/4" 8 3/4" T SCREEN (MD) 32. PPOWING, gas lift, pumping-s PROD'N FOR OIL-E TEST PERIOD OIL-BBL	TOP OF CEMEN Surface, 856 Surface, 656 30. SIZE 2 3/8", 4.7#, J- ACID, 3 NO RODUCTION Ize and type of pump) IZE and type of pump) IZE ACID, SUZE O GAS-MCF	DEPTH SET (55 3914' SHOT, FRACTURE, D STIMULATION AS-MCF 109 mcf/h WATER-BB	TUBING RECOMD TUBING RECOMD CEMENT SQUEEZE DONE WELL STATUS SI WATER-BBL O bwph L Trace	19 bbis 26 bbis RD PACKER SET (MD) E, ETC. G (Producing or shut-in) GAS-OIL RATIO OIL GRAVITY-API (CORF	
PERFORA perfora perfora iitland Co pitland Co iitland Co	TOP (MD 3812' TION RECO Dal 0' - 6388' DAI TOTAL DEDUCTION N/A 2009 7 PRESS 7psi ON OF GAS	32.3# 23# LINER RE) BOTTOM (MD) 6388' RD (Interval, size and nun = 102 Holes Holes = 102 PRODUC FLO HOURS TESTED 1 hr. CASING PRESSURE SI - 1239psi (Sold, used for fuel, venter) To be sold	285' 4123' ECORD SACKS CEMEN NONE Ther) CTION METHOD (FIGURE SIZE 1/2" CALCULATED 24-HOUR RATE	D) HOLE SIZE 12 1/4" 8 3/4" T SCREEN (MD) 32. PPOWING, gas lift, pumping-s PROD'N FOR OIL-E TEST PERIOD OIL-BBL	TOP OF CEMEN Surface, 856 Surface, 656 30. SIZE 2 3/8", 4.7#, J- ACID, 3 NO RODUCTION Ize and type of pump) IZE and type of pump) IZE ACID, SUZE O GAS-MCF	DEPTH SET (55 3914' SHOT, FRACTURE, D STIMULATION AS-MCF 109 mcf/h WATER-BB	TUBING RECOMD TUBING RECOMD CEMENT SQUEEZE DONE WELL STATUS SI WATER-BBL O bwph L Trace	19 bbls 26 bbls RD PACKER SET (MD) E, ETC. S (Producing or shut-in) GAS-OIL RATIO OIL GRAVITY-API (CORE	
PERFORA Ittland Co SIZE 4 1/2" PERFORA Ittland Co PJ @ 410 Ittland Co	TOP (MD 3812' TION RECO Dal 0' - 6388' DAI TOTAL	32.3# 23# LINER RE) BOTTOM (MD) 6388' RD (Interval, size and num = 102 Holes Holes = 102 PRODUCT FLO HOURS TESTED 1 hr. CASING PRESSURE SI - 1239psi (Sold, used for fuel, vente) To be sold	285' 4123' ECORD SACKS CEMEN NONE There T	D) HOLE SIZE 12 1/4" 8 3/4" T SCREEN (MD) 32. Proving, gas lift, pumping-s PROD'N FOR CEST PERIOD OIL-BBL 0	TOP OF CEMEN Surface, 85 Surface, 656 30. SIZE 2 3/8", 4.7#, J- ACID, S ACID,	IT, CEMENTING RECO 55x(137cf-24bbls 55x(1156cf-206bb DEPTH SET (55 3914' SHOT, FRACTURE, O STIMULATION AS-MCF 109 mcf/h WATER-BB	TUBING RECOMD TUBING RECOMD CEMENT SQUEEZE DONE WELL STATUS SI WATER-BBL O bwph L Trace	19 bbls 26 bbls RD PACKER SET (MD) E, ETC. S (Producing or shut-in) GAS-OIL RATIO OIL GRAVITY-API (CORE	
PERFORA Interpretation of the property of the	TOP (MD 3812' TION RECO Dal 0' - 6388' DAI TOTAL	32.3# 23# LINER RE) BOTTOM (MD) 6388' RD (Interval, size and nun = 102 Holes Holes = 102 PRODUC FLO HOURS TESTED 1 hr. CASING PRESSURE SI - 1239psi (Sold, used for fuel, venter) To be sold	285' 4123' ECORD SACKS CEMEN NONE There T	D) HOLE SIZE 12 1/4" 8 3/4" T SCREEN (MD) 32. Proving, gas lift, pumping-s PROD'N FOR CEST PERIOD OIL-BBL 0	TOP OF CEMEN Surface, 85 Surface, 656 30. SIZE 2 3/8", 4.7#, J- ACID, S ACID,	IT, CEMENTING RECO 55x(137cf-24bbls 55x(1156cf-206bb DEPTH SET (55 3914' SHOT, FRACTURE, O STIMULATION AS-MCF 109 mcf/h WATER-BB	TUBING RECOMD TUBING RECOMD CEMENT SQUEEZE DONE WELL STATUS SI WATER-BBL O bwph L Trace	19 bbls 26 bbls RD PACKER SET (MD) E, ETC. S (Producing or shut-in) GAS-OIL RATIO OIL GRAVITY-API (CORR	

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

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

^{1°} OCT 0 1 2009

API # 30-045-34962			Reese Mesa 104S		
Ojo Alamo	2430'	2486'	White, cr-gr ss.	Ojo Alamo	2430'
Kirtland	2486'	3029'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	[†] 2486'
Fruitland	3029'		Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	3029
Pictured Cliffs		1	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	
Lewis			Shale w/siltstone stringers	Lewis	
Huerfanito Bentonite			White, waxy chalky bentonite	Huerfanito Bent.	
Chacra		` '	Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	
Mesa Verde			Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	•
Menefee			Med-dark gry, fine gr ss, carb sh & coal	Menefee	,,
Point Lookout		•	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	
Mancos		'	Dark gry carb sh.	Mancos	
Gallup		'	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh	Gallup	
Greenhorn		1	Highly calc gry sh w/thin lmst.	Greenhorn	
Graneros .		1	Dk gry shale, fossil & carb w/pyrite incl.	Graneros	
Dakota		1	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks	Dakota	
Morrison		,	Interbed grn, brn & red waxy sh & fine to coarse grn ss	Morrison	