F5rm 3160-4

## UNITED STATES

Förm 3160-4 (August 2007)	UNITED STATES  DEPARTMENT OF THE INTERIOR  BUREAU OF LAND MANAGEMENT							FORM APPROVED OMB NO 1004-0137 Expires July 31, 2010									
	WELL	COMPL	ETION O						RT	AND LO	G		5 Lease	Senal No	July 5	1, 2010	
1a Type of Well						$\equiv$							NM-81952				
**											C 15 1m at						
b Type of Comple	<u></u>	her:	Work Over	Ш	Deepen		Plug Bac	:K	L	Diff Res	svr,		b If Indi	an, Allottee		Name	
2 Name of Oper		iei						,					7 Unit o	or CA Agree	NA		d No.
Yates Petro		oration											7. OTHE	I CA Ayree	NA	ine an	u No
3 Address	'.			3a F	Phone No	(ınci	lude are	a code)		-		-	8 Lease Name and Well No				
105 S. 4th												Llama ALL Federal #10H					
4 Location of W	ell (Report loc	ation clearly	and in accord	dance v	(Unit K, NESW)  ached  16 Date Completed  711  D & A  Ready to Prod							9 API Well No 30-015-37190					
At Surface	WL (	VL (Unit N, SESW)							10 Field and Pool or Exploratory								
				,	ŕ		,	/.	7	102			Cabin Lake; Delaware				
At top prod. In	terval reporte	d below						12	Y.	6 ×	<u> </u>			, T ,R ,M , o ey or Area	in Block	and	
, ,	,								)	J. 6.	7		Section 7-T22S-R31E (Surf)				
								100	Z	2/	,			tion 6-T			. ,
BHL	<i>y</i>		k 1968'FW	L (Un	(Unit K, NESW)							12 County or Pansh 13 State					
		3ec.7.						$\overline{}$		2/			1	ddy			lexico
14 Date Spudd	ed 1 RT 1/14	i i	5 Date T D R	eached 7/11	d	16 I	Date Co	mpleted D & A		XV Ready	5/1/11 to Prod		17 Elev	ations (DF,			
					-		ļ						1	3356'G	L 3	383'k	<u>(B</u>
18 Total Depth		14,720'	ĺ	19 Plug	Back T D		MD		20	Depth Bridg	ge Plug Se	et <sup>.</sup>	MD	NA			
	TVD	NA	i		-		TVD	NA	Ц				TVD	NA			
21 Type Electric &	Other Mechani	cal Logs Run	(Submit copy of	each)		22	Was W	ell cored?		X No	Ye	s (S	lubmit an	alysis)			
CBL/GR/CCI							Was D	ST run?	ļ	X No	Ye	•	Submit report)				
	<b>-</b> 						Direction	al Survey?	1	∟ No	X Ye	s (S	iubmit co	py)	(Atta	chec	l)
23 Casing and L	iner Record (	Report all s	trıngs set in w	e <i>II)</i>													
Hole Sıze	Size/Grade	Wt (#/ft)	Top (MD)	Ι.	Bottm(MD)		Stat	e Cement Depth	er	No of Sk	I	Slurry		Cement	Top*	Λmo	unt Pulled
26"	20"	Cond.	0	<u> </u>	85'	_		Бери		Type of Cement (BBI 8yds Redi-mix		0		AIIIO	unt Fulled		
17-1/2"	13-3/8"	48#	0		528'				470sx "C"			0					
12-1/4"	9-5/8"	36#,40	<del>#</del> 0		3945'				1220sx "C"			0					
0.4/0"	E 4/0"	47# 00-			44 5051					1400sx I	- 1						
8-1/2"	5-1/2"	17#,20	# 0	+	14,565'			<del></del>		1110sx	"C"			0			
24 Tubing Reco	rd	l				[								l			
Size Depth Set (MD) Packer Depth (I				(MD)	MD) Size Depth Set (MD) F			Packer Depth (MD) Size			Depth Set (MD) Packer Depth (MD)						
2-7/8"	7073'																
25 Producing Intervals			-	1				Perforation			1		·				
Formation         Top           A) Delaware         8048'				14,440'				Per	forated Inter	vai	Size	e No Holes Perf Sta		<del></del>			
B)				- SEE A						AT	TACHE	DISHE		-1.1	RIH		
C)											1: 11	1	L. L	1101	2 1 4	Lasa 👐	
27 Acid, Fractur		Cement Sc	ueeze, Etc					۸		T	10-41					_	
Del	oth Interval		······································		-			Am	ount a	and Type of	Material	-		4 B	2011		
<del></del>					SE	ΕA	TTAC	HED SI	HEE	Т	1	+	MAY	1-2	ZUII		
													1//				
20 Droduction	Interval A											<u>_</u>	ID	· AND	TANIT	CEN	IFNT-
28. Production - Date First	Test Date	Hours	Test		Oil		Gas	Water	Oil	Gravity	Gas	Pro	AUCTION N	Aethod IC	NAM	FILL	
Produced	, , , , ,	Tested	Production	4	BBL		MCF	BBL		r API	Gravity		AKL2	dethod: IEI			
5/2/11	5/6/11	24	→		83		95	1219		NA	NA	1		Pum	nping		
Choke	Tbg Press	Csg	24 Hr	ſ	Oil		Gas	Water		s/Oil	Well Stat	tus					ya carlo
Size NA	Flwg 300 psi	Press 100 ps	Rate		BBL 83		MCF 95	BBL 1219	Rat	NA			n	roducin	<b>a</b>		
28a Production-	<u> </u>	1 100 08	·		00	1	90	1218		IAN	L		r	TOGUCIT	9		·
Date First	Test Date	Hours	Test	I	Oil		Gas	Water	Oil	Gravity	Gas	Pro	duction N	Method			
Produced		Tested	Production		BBL		MCF	BBL	Cor	r API	Gravity						
Choke	Tbg. Press	Csg	24 Hr		Oil		Gas	Water	0-	s/Oıl	Well Stat	1					
Size	Flwg	Press	Rate	- 1	BBL		MCF	BBL	Rat		vven old	us					

<sup>\*(</sup>See instructions and spaces for additional data on page 2)

Date First   Total Date   Flourist   Float   F	28b Production	n - Interval C									
Choke Tip Press (2g) Vater Rate BBL MCF BBL Ratin Well Status  Size Production - Internal D  Test Date D  Test Date Production - Internal D  Test Date D  Test Date D  Test	Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Size	Produced		Tested		BBL	MCF	BBL	Corr. API	Gravity		
282 Production   National Description   Nat	Choke	Tbg Press	Csg		Oil	Gas	Water	Gas/Oil	Well Stat	tus	
Test Date   Test	Size	Flwg.	Press		BBL	MCF		Ratio			
Produced   Tested   Production   BBL   MCF   BBL   Carr API   Carvity	28c Production	n - Interval D	1				<u> </u>	<u> </u>			
Produced   Tested   Production   BBL   MCF   BBL   Corr API   Gravity			Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Cloke   Top   Press   Cag   Role   Rate   BBL   MCF   BBL   Ratio   BB	Produced		Tested		BBL	MCF	BBL	Corr API	Gravity		
Size	Choke	Tbg Press	Csg		Oil	Gas	Water	Gas/Oil	Well Stat	us	
29 Disposition of Gas (Sold, used for fuel, venfed, etc.) Sold 30 Summary of Porous Zones (include Aquifers) Show all important zones of porosky and contents thereof. Cored intervals and all dnil-stem tests, including depth interval tested, cushom used, time tool open, flowing and shut-in pressures and recovorities  Formation Top Bottom Description, Contents, etc.  Name Top Meas Depth REFER TO LOGS  Brushy Canyon Surshy Canyon Mirkr Brushy Sand Target  32. Additional remarks (include plugging procedure)  33. Indicate which items have been attached by placing a check in the appropriate boxes	Size	Flwg	Press	1 .	BBL	MCF	BBL	Ratio			
30 Summary of Porous Zones (Include Aquifers)  Show all important zones of porosaty and contents thereof. Cored intervals and all dishements tests, including depth interval tested, cushron used, time tool open, flowing and shut-in pressures and recoverings.  Formation  Top Bottom Description, Contents, etc.  Name Top Meas Depth Meas Depth Meas Depth Responsibility of 120 Brushy Canyon 6120 Brushy Canyon Mirkr Brushy Sand Target 8000°  32 Additional remarks (include plugging procedure)  33 Indicate which items have been attached by placing a check in the appropriate boxes	·	of Gas (Sold,	used for fu			1		I	<b>_</b>		
Show all important zones of porcestly and contents thereof. Cored intervals and all drill-stem tests, incurring depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.  Formation Top Bottom Description, Contents, etc Name Top Misso Depth Misso Depth Prushly Canyon of 6120' Brushly Canyon Mirkr 7538' Brushly Sand Target 8000'  32 Additional remarks (include plugging procedure)  33 Indicate which terms have been attached by placing a check in the appropriate boxes [X] Electrical/Mechanical Logs (1 full set regrd) [Geologic Report DST Report X] Directional Survey [Sundry Notice for plugging and cement verification [Core Analysis X] Other Deviation Survey  34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name(please pant) Title Regulatory Compiliance Supervisor Date May 6, 2011	Sold										
REFER TO LOGS	30 Summary o	of Porous Zone	s (Include	Aquifers)					31 Form	ation (Log) Markers	
REFER TO LOGS  REFER TO LOGS  Brushy Canyon Mrkr 7538' 8000'  32 Additional remarks (include plugging procedure)  33 Indicate which items have been attached by placing a check in the appropriate boxes   X   ElectricalMechanical Logs (1 full set reqd )   Geologic Report   DST Report   X   Directional Survey   Sundry Notice for plugging and cement verification   Core Analysis   X   Other Deviation Survey    34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name   Meas Depth   Brushy Canyon Mrkr 7538' 8000'  Brushy Canyon Mrkr 88000'  32 Additional remarks (include plugging procedure)  33 Indicate which items have been attached by placing a check in the appropriate boxes   DST Report   X   Directional Survey      Sundry Notice for plugging and cement verification   Core Analysis   X   Other Deviation Survey    34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name(please pint)   Tina Huerta   Title   Regulatory Compliance Supervisor    Signature   Date   May 6, 2011	including depth	ortant zones o	f porosity : d, cushion i	and contents there used, time tool ope	eof. Cored in n, flowing and	tervals and shut-in pre	all drill-ste ssures and	em tests, 1			
Brushy Canyon Mrkr 7538' Brushy Sand Target  32 Additional remarks (include plugging procedure)  33 Indicate which items have been attached by placing a check in the appropriate boxes	<u> </u>	Formation		Тор	Bottom	Des	cription, C	ontents, etc		Name	<del></del>
32 Additional remarks (include plugging procedure)  33 Indicate which items have been attached by placing a check in the appropriate boxes    X   Electrical/Mechanical Logs (1 full set req'd)   Geologic Report   DST Report   X   Directional Survey     Sundry Notice for plugging and cement verification   Core Analysis   X   Other Deviation Survey  34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name(plesse print)   Tina Huerta   Title   Regulatory Compliance Supervisor   Signature   Date   May 6, 2011	REF	ER TO LOC	SS	Π					Brushy	Canyon	6120'
32 Additional remarks (include plugging procedure)  33 Indicate which items have been attached by placing a check in the appropriate boxes    X   Electrical/Mechanical Logs (1 full set req'd)   Geologic Report   DST Report   X   Directional Survey     Sundry Notice for plugging and cement verification   Core Analysis   X   Other Deviation Survey  34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name(plesse print)   Tina Huerta   Title   Regulatory Compliance Supervisor   Signature   Date   May 6, 2011									Brushy	Canyon Mrkr	7538'
32 Additional remarks (include plugging procedure)  33 Indicate which items have been attached by placing a check in the appropriate boxes    X   Electrical/Mechanical Logs (1 full set reg'd)										•	1
32 Additional remarks (include plugging procedure)  33 Indicate which items have been attached by placing a check in the appropriate boxes    X   Electrical/Mechanical Logs (1 full set reg'd)   Geologic Report   DST Report   X   Directional Survey										Jana Tangot	0000
32 Additional remarks (include plugging procedure)  33 Indicate which items have been attached by placing a check in the appropriate boxes    X   Electrical/Mechanical Logs (1 full set reg'd)   Geologic Report   DST Report   X   Directional Survey											
32 Additional remarks (include plugging procedure)  33 Indicate which items have been attached by placing a check in the appropriate boxes    X   Electrical/Mechanical Logs (1 full set reg'd)   Geologic Report   DST Report   X   Directional Survey											
32 Additional remarks (include plugging procedure)  33 Indicate which items have been attached by placing a check in the appropriate boxes    X   Electrical/Mechanical Logs (1 full set reg'd)   Geologic Report   DST Report   X   Directional Survey							•		ŀ		
32 Additional remarks (include plugging procedure)  33 Indicate which items have been attached by placing a check in the appropriate boxes    X   Electrical/Mechanical Logs (1 full set reg'd)   Geologic Report   DST Report   X   Directional Survey											
32 Additional remarks (include plugging procedure)  33 Indicate which items have been attached by placing a check in the appropriate boxes    X   Electrical/Mechanical Logs (1 full set reg'd)   Geologic Report   DST Report   X   Directional Survey											
32 Additional remarks (include plugging procedure)  33 Indicate which items have been attached by placing a check in the appropriate boxes    X   Electrical/Mechanical Logs (1 full set reg'd)   Geologic Report   DST Report   X   Directional Survey											+
32 Additional remarks (include plugging procedure)  33 Indicate which items have been attached by placing a check in the appropriate boxes    X   Electrical/Mechanical Logs (1 full set reg'd)   Geologic Report   DST Report   X   Directional Survey				j							
33 Indicate which items have been attached by placing a check in the appropriate boxes    X   Electrical/Mechanical Logs (1 full set req'd)					+	•		× 4.			
33 Indicate which items have been attached by placing a check in the appropriate boxes    X   Electrical/Mechanical Logs (1 full set req'd)										•	
33 Indicate which items have been attached by placing a check in the appropriate boxes    X   Electrical/Mechanical Logs (1 full set req'd)									ŀ		
X   Electrical/Mechanical Logs (1 full set req'd )   Geologic Report   DST Report   X   Directional Survey	32 Additional r	remarks (includ	de plugging	procedure)							
X   Electrical/Mechanical Logs (1 full set req'd )   Geologic Report   DST Report   X   Directional Survey											
X   Electrical/Mechanical Logs (1 full set req'd )   Geologic Report   DST Report   X   Directional Survey											
X   Electrical/Mechanical Logs (1 full set req'd )   Geologic Report   DST Report   X   Directional Survey											
X   Electrical/Mechanical Logs (1 full set req'd )   Geologic Report   DST Report   X   Directional Survey											
X   Electrical/Mechanical Logs (1 full set req'd )   Geologic Report   DST Report   X   Directional Survey											
X   Electrical/Mechanical Logs (1 full set req'd )   Geologic Report   DST Report   X   Directional Survey											
X   Electrical/Mechanical Logs (1 full set req'd )   Geologic Report   DST Report   X   Directional Survey											
X   Electrical/Mechanical Logs (1 full set req'd )   Geologic Report   DST Report   X   Directional Survey											
X   Electrical/Mechanical Logs (1 full set req'd )   Geologic Report   DST Report   X   Directional Survey											
X   Electrical/Mechanical Logs (1 full set req'd )   Geologic Report   DST Report   X   Directional Survey											
X   Electrical/Mechanical Logs (1 full set req'd )   Geologic Report   DST Report   X   Directional Survey											
Sundry Notice for plugging and cement verification  Core Analysis  X Other Deviation Survey  34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name(please print)  Title  Regulatory Compliance Supervisor  Signature  Date  May 6, 2011	33 Indicate wi	-				ppropriate b	ooxes		_	_	
34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name(please print)  Title Regulatory Compliance Supervisor  Signature  Date May 6, 2011		X Electrica	I/Mechanic	al Logs (1 full set re	eq'd )	Geolo	gıc Report	DST	Report X	Directional Survey	
34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name(please print)  Title Regulatory Compliance Supervisor  Signature  Date May 6, 2011											
34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*  Name(please print)  Title Regulatory Compliance Supervisor  Signature  Date May 6, 2011		Sundry N	lotice for al	unging and cemen	t verification		Analysis	X Othe	er Deviation	Survey	
Name(please print)  Title Regulatory Compliance Supervisor  Signature  Date May 6, 2011			. с. с. р.	-ggg	· · · · · · · · · · · · · · · · · · ·		, 0.0	1			
Name(please print)  Title Regulatory Compliance Supervisor  Signature  Date May 6, 2011							- : - <u>-</u> : - :				
Signature Date May 6, 2011	34 I hereby ce	rtify that the fo	regoing and	d attached informat	tion is complet	te and corre	ect as dete	rmined from all	avaılable rec	ords (see attached instru	uctions)*
	Name(please print)				rta	1			Regulatory Comp	pliance Supervisor	
				11.	$\sim 11$						
	Signature			(Cha	~ he	erle	<u> </u>		Date	May 6	5, 2011
Title 18 LLS C. Section, 1001 and Title 43 LLS C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the Linited					,						

HITTE TO U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, lictitious or fraudulent statements or representations as to any matter within its jurisdiction

(Continued on page 3) (Form 3160-4, page2)

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## Form 3160-4 continued:

26. Perforation Rec	ord			26. Perforation Record					
Perforated Interval Size		No. Holes	Perf. Status	Perforated Interval	Size	No. Holes	Perf. Status		
14,440'		12	Producing	11,176'		12	Producing		
14,304'		12	Producing	11,040'		12	Producing		
14,168'		12	Producing	10,904'		12	Producing		
14,032'		12	Producing	10,768'		12	Producing		
13,896'		12	Producing	10,632'		12	Producing		
,13,760'		12	Producing	10,496'		12	Producing		
13,624'		12	Producing	10,360'		12	Producing		
13,488'		12	Producing	10,224'		.12	Producing		
13,352'		12	Producing	10,088'		12	Producing		
13,216'		12	Producing	9952'		12	Producing		
13,080'		12	Producing	9816'		12	Producing		
12,944'		12	Producing	9680'		12	Producing		
12,808'		12	Producing	9544'		12	Producing		
12,672'		12	Producing	9408'		12	Producing		
12,536'		12	Producing	9272'		12	Producing		
12,400'		12	Producing	9136'		12	Producing		
12,264'		12	Producing	9000'		12	Producing		
12,128'		12	Producing	8864'		12	Producing		
11,992'		12	Producing	8728'		12	Producing		
11,856'		12	Producing	8592'		12	Producing		
11,720'		12	Producing	8456'		12	Producing		
11,584'		12	Producing	8320'		12	Producing		
11,448'		12	Producing	8184'		12	Producing		
11,312'		12	Producing	8048'		12	Producing		

27. Acid, Fracture,	Treatment, Cement Squeeze, Etc.
Depth Interval	Amount and Type of Material
14,460'	Pumped 500g Xylene, 1200g 15% HCL acid, 2500g 7-1/2% IC HCL triple inhibitor acid
14,565'-14,720'	Acidized w/2500g 7-1/2% HCL acid, frac w/30# x-linked gel, 188,451# 20/40 Jordan-
	Unimin, 81,332# 20/40 Super LC
14,465'	Spotted 2500g 7-1/2% HCL acid
14,032'-14,440'	Acidized w/2500g 7-1/2% HCL acid, frac w/30# x-linked gel, 188,056# 20/40 Jordan-
	Unimin, 83,133# 20/40 Super LC
13,964'	Spotted 2500g 7-1/2% HCL acid
13,488'-13,896'	Acidized w/2500g 7-1/2% HCL acid, frac w/30# x-linked gel, 184,805# 20/40 Jordan-
	Unimin, 86,436# 20/40 Super LC
13,420'	Spotted 2500g 7-1/2% HCL acid

## **CONTINUED ON NEXT PAGE:**

Regulatory Compliance Supervisor

May 6, 2011

Yates Petroleum Corporation Llama ALL Federal #10H Section 7-T22S-R31E Eddy County, New Mexico Page 4

## Form 3160-4 continued:

27. Acid, Fracture,	Treatment, Cement Squeeze, Etc.
Depth Interval	Amount and Type of Material
12,944'-13,352'	Acıdized w/2500g 7-1/2% HCL acid, frac w/30# x-linked gel, 188,228# 20/40 Jordan-
	Unimin, 82,666# 20/40 Super LC
12,876'	Spotted 2500g 7-1/2% HCL acid
12,400'-12,808'	Acidized w/2500g 7-1/2% HCL acid, frac w/30# x-linked gel, 187,671# 20/40 Jordan-
	Unimin, 79,328# 20/40 Super LC
12,332'	Spotted 2500g 7-1/2% HCL acid
11,856'-12,264'	Acidized w/2500g 7-1/2% HCL acid, frac w/30# x-linked gel, 179,156# 20/40 Jordan-
	Unimin, 85,129# 20/40 Super LC
11,788'	Spotted 2500g 7-1/2% HCL acid
11,312'-11,720'	Acidized w/2500g 7-1/2% HCL acid, frac w/30# x-linked gel, 190,097# 20/40 Jordan-
	Unimin, 80,839# Super LC
11,244'	Spotted 2500g 7-1/2% HCL acid
10,768'-11,176'	Acidized w/2500g 7-1/2% HCL acid, frac w/30# x-linked gel, 185,058# 20/40 Jordan-
	Unimin, 77,475# 20/40 Super LC
10,700'	Spotted 2500g 7-1/2% HCL acid
10,224'-10,632'	Acidized w/2500g 7-1/2% HCL acid, frac w/30# x-linked gel, 176,406# 20/40 Jordan-
	Unimin, 86,787# 20/40 Super LC
10,156'	Spotted 2500g 7-1/2% HCL acid
9680'-10,088'	Acidized w/2500g 7-1/2% HCL acid, frac w/30# x-linked gel, 186,884# 20/40 Jordan-
00401	Unimin, 78,782# 20/40 Super LC
9612'	Spotted 2500g 7-1/2% HCL acid
9136'-9544'	Acidized w/2500g 7-1/2% HCL acid, frac w/30# x-linked gel, 185,368# 20/40 Jordan-
00001	Unimin, 89,969# 20/40 Super LC
9068'	Spotted 2500g 7-1/2% HCL acid
8592'-9000'	Acidized w/2500g 7-1/2% HCL acid, frac w/30# x-linked gel, 185,457# 20/40 Jordan-
0040' 0456'	Unimin, 88,628# 20/40 Super LC
8048'-8456'	Acidized w/2500g 7-1/2% HCL acid, frac w/30# x-linked gel, 181,426# 20/40 Jordan-
	Unimin, 106,792# 20/40 Super LC

Regulatory Compliance Supervisor May 6, 2011