Form 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED OMB No 1004-0137 Expires. July 31, 2010

VV/EII	COMPI	UD DE	FTION	REPORT	। നദ

	WELL COMPLETION OR RECOMPLETION REPORT AND LOG										5. Lease Serial No NMNM62211			
la. Type of	Well 🗖 Oi	il Well	☐ Gas V	Vell	□ Dry	Otl	ner				6. If Inc	lian, Allottee	or Tribe Name	
	Completion	Ne [∗] Ne	w Well	□ Work	Over	□ Dee		Plug Back	□ Diff. R	lesvr	7 Unit	or CA Agree	ment Name and No	
	·	Other		<u> </u>			 *				O Y		N/-II NI-	
	PETROLEUM										HAI		FEDERAL COM 2H	
	105 SOUTH ARTESIA, N	M 8821	10				Ph 575-	-748 - 4168	ide area code))			-015-39511-00-S1	
4. Location of	of Well (Repor	t location	n clearly an	d in acco	ordance w	ith Feder	al requireme		Per 1 1 1 Pr			ld and Pool, c RKWAY	or Exploratory	
At surfac			_ 330FWL				1	HEC	EIVE	:D	11. Sec	., T., R , M ,	or Block and Survey T19S R30E Mer NMF	
	rod interval rep				OFSL 330	FWL		JUN	26 2012	2		unty or Parish		
At total d	udded	1900F3	SL 355FEL 15. Da	ate T.D. I	Teached		<u>।</u> 16 ग	Date Compl	eted) are	0:4		vations (DF,	KB, RT, GL)*	
03/05/20	012			/12/2012			□• <u>0</u>	0.&.A 6/10/2012	Ready to P	rod		3324 G		
18. Total De		MD TVD	12831	ŀ	19 Plug		D.: ME TV		12720		_	e Plug Set	MD TVD	
21 Type Ele CNL HI-	ectric & Other -RESLATERO	Mechani LOG C	ical Logs Ri BL	ın (Sübn	nit copy o	f each)			22. Was Was Direc	well cored DST run? tional Sur	l?	No DY	Yes (Submit analysis) Yes (Submit analysis) Yes (Submit analysis)	
3 Casing an	nd Liner Record	(Repor	t all strings	set in we	ell)									
Hole Size	Size/Grac	ie	Wt (#/ft)	Top (MD)		ottom MD)	Stage Cemer Depth		of Sks. & e of Cement	Slurry (BB		Cement Top*	Amount Pulled	
36.000					0	60	-		42	2			0	
26 000	20.000		94.0		0	344			1400	+			0	
17.500	13 37		48.0		0	1726			1310					
12 250		K-55	36.0	<u> </u>	0	3522	0/	542	960 1525				0	
8 500	5 500	P-110	17.0	 		12795	0.	513	1523	<u>'</u>				
24 Tubing	Record					1		!		_L				
Size I	Depth Set (MD) Pac	cker Depth	(MD)	Sıze	Depth	Set (MD)	Packer [Depth (MD)	Size	Dept	h Set (MD)	Packer Depth (MD)	
2.875		40				10/		<u> </u>						
25 Producin		<u> </u>				26.	Perforation I				T 37		D C C :	
	mation BONE SPRI	NG	Тор	8818	Bottom 127	25	Periora	ated,Interva	<u> </u>	Size	No	. Holes	Perf. Status	
B)	DONE SENI	NG	-	0010	127	23					-			
<u> </u>						+					T.	ECT A	MATION	
C)					•						* *		2-10-12	
D)														
D)	acture, Treatme	ent, Cem	ent Squeeze	e, Etc.							D	UE	2-10-	
D) 27. Acid, Fra	Depth Interval				200740	2 1101	201 0 00047		and Type of N					
D) 27. Acid, Fra	Depth Interval	TO 122:	34 SPEARI	HEAD 10				ΓΕ XL, 1894	BBLS FLUID	, 98000LB	20/40 W	S, 20000LB 2	0/40 RCS	
O) 27. Acid, Fra	Depth Interval 3324 3324	TO 122:	34 SPEARI 94 SPEARI	HEAD 10	00G 7-1/2	% HCL, 2	20LB BORAT	ΓΕ XL, 1894 ΓΕ XL, 1908	BBLS FLUID	, 98000LB , 97000LB	20/40 W 20/40 W	S, 20000LB 2 S, 20000LB 2	0/40 RCS 0/40 RCS	
D) 27. Acid, Fra	3324 3324 3324	TO 122: TO 123: TO 125:	34 SPEARI 94 SPEARI 51 SPEARI	HEAD 10 HEAD 10 HEAD 10	00G 7-1/2 00G 7-1/2	% HCL, 2 % HCL, 2	20LB BORAT 20LB BORAT	TE XL, 1894 TE XL, 1908 TE XL, 1951	BBLS FLUID	, 98000LB , 97000LB , 100000LI	20/40 W 20/40 W 3 20/40 V	S, 20000LB 2 S, 20000LB 2 VS, 15500LB	0/40 RCS 0/40 RCS 20/40 RCS	
D) 27. Acid, Fra	3324 3324 3324	TO 1223 TO 1235 TO 1255	34 SPEARI 94 SPEARI 51 SPEARI	HEAD 10 HEAD 10 HEAD 10	00G 7-1/2 00G 7-1/2	% HCL, 2 % HCL, 2	20LB BORAT 20LB BORAT	TE XL, 1894 TE XL, 1908 TE XL, 1951	BBLS FLUID BBLS FLUID BBLS FLUID	, 98000LB , 97000LB , 100000LI	20/40 W 20/40 W 3 20/40 V	S, 20000LB 2 S, 20000LB 2 VS, 15500LB	0/40 RCS 0/40 RCS 20/40 RCS	
D) 27. Acid, Fra E 28. Production at e First	3324 3324 3324 3324 3324 ion - Interval A	TO 1223 TO 1235 TO 1255 TO 1273	34 SPEARI 94 SPEARI 51 SPEARI 25 SPEARI	HEAD 100 HEAD 100 HEAD 100 HEAD 100	00G 7-1/2' 00G 7-1/2' 00G 7-1/2'	% HCL, 2 % HCL, 2 % HCL, 2	20LB BORAT 20LB BORAT 20LB BORAT	TE XL, 1894 TE XL, 1908 TE XL, 1951 TE XL, 2223 Oil Gravity	BBLS FLUID BBLS FLUID BBLS FLUID BBLS FLUID	, 98000LB , 97000LB , 100000LI	20/40 W 20/40 W 3 20/40 V	S, 20000LB 2 S, 20000LB 2 VS, 15500LB VS, 17000LB	0/40 RCS 0/40 RCS 20/40 RCS	
D) 27. Acid, Fra E 28. Production to the First reduced	3324 3324 3324 3324 3324 ion - Interval A	TO 1223 TO 1235 TO 1255 TO 1273	34 SPEARI 94 SPEARI 51 SPEARI 25 SPEARI	HEAD 10 HEAD 10 HEAD 10 HEAD 10	00G 7-1/2 00G 7-1/2 00G 7-1/2 Gas MCF	% HCL, 2 % HCL, 2 % HCL, 2	20LB BORAT 20LB BORAT 20LB BORAT	TE XL, 1894 TE XL, 1908 TE XL, 1951 TE XL, 2223	BBLS FLUID BBLS FLUID BBLS FLUID BBLS FLUID	, 98000LB , 97000LB , 100000LI	20/40 W 20/40 W 3 20/40 V 3 20/40 V	S, 20000LB 2 S, 20000LB 2 VS, 15500LB VS, 17000LB	0/40 RCS 0/40 RCS 20/40 RCS	
28. Production at the First oduced 06/11/2012 hoke	3324 3324 3324 3324 3324 Test H To Date O6/14/2012 Tbg Press C	TO 1223 TO 1233 TO 1255 TO 1277 ours ested 24	34 SPEARI 94 SPEARI 51 SPEARI 25 SPEARI Test Production 24 Hr	HEAD 100 HEAD 100 HEAD 100 HEAD 100 Oil BBL 331 0	00G 7-1/2' 00G 7-1/2' 00G 7-1/2' Gas MCF 450 Gas	% HCL, 2 % HCL, 2 % HCL, 2 W B	20LB BORAT 20LB BORAT 20LB BORAT (ater BL 1087 0	TE XL, 1894 TE XL, 1908 TE XL, 1951 TE XL, 2223 Dil Gravity Corr API	BBLS FLUID BBLS FLUID BBLS FLUID BBLS FLUID	, 98000LB , 97000LB , 100000Li , 100000Li y	20/40 W 20/40 W 3 20/40 V 3 20/40 V	S, 20000LB 2 S, 20000LB 2 VS, 15500LB VS, 17000LB	0/40 RCS 0/40 RCS 20/40 RCS 20/40 RCS	
28. Production at a First coduced 06/11/2012 hoke ze	3324 3324 3324 3324 3324 Test H To Date O6/14/2012 Tbg Press C	TO 1223 TO 1233 TO 1253 TO 1273 ours ested 24	34 SPEARI 94 SPEARI 51 SPEARI 25 SPEARI Test Production	HEAD 10 HEAD 10 HEAD 10 HEAD 10 BBL 331 0	00G 7-1/2 00G 7-1/2 00G 7-1/2 Gas MCF 0 450	% HCL, 2 % HCL, 2 % HCL, 2 WB	20LB BORAT 20LB BORAT 20LB BORAT (ater BL 1087 0	TE XL, 1894 TE XL, 1908 TE XL, 1951 TE XL, 2223 Dil Gravity Corr API	BBLS FLUID BBLS FLUID BBLS FLUID BBLS FLUID Well S	, 98000LB , 97000LB , 100000Li , 100000Li y	20/40 W 20/40 W 3 20/40 V 3 20/40 V	S, 20000LB 2 S, 20000LB 2 VS, 15500LB VS, 17000LB	0/40 RCS 0/40 RCS 20/40 RCS 20/40 RCS	
28. Production at a First roduced 06/11/2012 hoke ze	3324 3324 3324 3324 3324 Test H Test Date O6/14/2012 Tbg Press C Flwg 120 Pt	TO 1222 TO 1235 TO 1255 TO 1277 ours ested 24	34 SPEARI 94 SPEARI 51 SPEARI 25 SPEARI Test Production 24 Hr	HEAD 100 HEAD 100 HEAD 100 HEAD 100 Oil BBL 331 0 Oil BBL	00G 7-1/2' 00G 7-1/2' 00G 7-1/2' 00G 7-1/2' Gas MCF 450 Gas MCF	% HCL, 2 % HCL, 2 % HCL, 2 WB	20LB BORAT 20LB BORAT 20LB BORAT (atter BL 1087 0 (atter) (att	TE XL, 1894 TE XL, 1908 TE XL, 1951 TE XL, 2223 Dil Gravity Corr API	BBLS FLUID BBLS FLUID BBLS FLUID BBLS FLUID Well S	, 98000LB , 97000LB , 100000Li , 100000Li	20/40 W 20/40 W 3 20/40 V 3 20/40 V	S, 20000LB 2 S, 20000LB 2 VS, 15500LB VS, 17000LB	0/40 RCS 0/40 RCS 20/40 RCS 20/40 RCS	
28. Production of the First roduced of the First roduction of the First rodu	Depth Interval 3324 3324 3324 3324 3324 ion - Interval A Test Date 06/14/2012 Tbg Press Flwg 120 S1 tion - Interval I	TO 1222 TO 1235 TO 1255 TO 1277 ours ested 24	34 SPEARI 94 SPEARI 51 SPEARI 25 SPEARI Test Production 24 Hr	HEAD 100 HEAD 100 HEAD 100 HEAD 100 Oil BBL 331 0 Oil BBL	00G 7-1/2' 00G 7-1/2' 00G 7-1/2' 00G 7-1/2' Gas MCF 450 Gas MCF	% HCL, 2 % HCL, 2 % HCL, 2 % BD 0	20LB BORAT 20LB BORAT 20LB BORAT (ater BL 1087 0 (ater BL 1087	TE XL, 1894 TE XL, 1908 TE XL, 1951 TE XL, 2223 Dil Gravity Corr API	BBLS FLUID BBLS FLUID BBLS FLUID BBLS FLUID Well S	98000LB , 97000LB , 100000Li , 100000Li yy	20/40 W 20/40 W 3 20/40 V 3 20/40 V	S, 20000LB 2 S, 20000LB 2 VS, 15500LB VS, 17000LB Method GAS PUN	0/40 RCS 0/40 RCS 20/40 RCS 20/40 RCS	
28. Production of the control of the	Depth Interval 3324 3324 3324 3324 3324 ion - Interval A Test Date HT To Date Press Fivg 120 Press SI Test Date HT To DATE HT	TO 122: TO 123: TO 125: TO 127: ours ested 24 \$8 \$8 ress 200 0 B	34 SPEARI 94 SPEARI 51 SPEARI 25 SPEARI Test Production 24 Hr Rate Test Production	HEAD 100 HEAD 100 HEAD 100 HEAD 100 OIL BBL 331 0 OIL BBL 331	00G 7-1/2' 00G 7-1/2' 00G 7-1/2' 00G 7-1/2' Gas MCF 45' Gas MCF 45'	% HCL, 2 % HCL, 2 % HCL, 2 % HCL, 2 % B 0 0	20LB BORAT 20LB BORAT 20LB BORAT (atter BL 1087 0 (atter BL 1087 (atter BL 1087	TE XL, 1894 TE XL, 1908 TE XL, 1951 TE XL, 2223 Dil Gravity Corr API Gas Oil Ratio	BBLS FLUID BBLS FLUID BBLS FLUID Well S Gas Gravit Gas Gravit	98000LB , 97000LB , 100000Li , 100000Li y y POW	20/40 W 20/40 W 3 20/40 V 3 20/40 V Production	S, 20000LB 2 S, 20000LB 2 VS, 15500LB VS, 17000LB Method GAS PUN	0/40 RCS 0/40 RCS 20/40 RCS 20/40 RCS 0/40 RCS	
28. Production are First roduced 06/11/2012 hoke laze 28a Production are First roduced 16/11/2012 hoke laze 16/11/2012 hoke	3324 3324 3324 3324 3324 3324 100n - Interval A Test	TO 122: TO 123: TO 125: TO 127: ours ested 24 sg ress 200 0 B ours	34 SPEARI 94 SPEARI 51 SPEARI 25 SPEARI Test Production 24 Hr Rate Test	HEAD 10 HEAD 10 HEAD 10 HEAD 10 HEAD 10 Oil BBL 331 0 Oil BBL 331	OOG 7-1/2' OOG 7-1/2' OOG 7-1/2' Gas MCF 450 Gas MCF 450 Gas	% HCL, 2 % HCL, 2 % HCL, 2 % HCL, 3 % B 0 0	20LB BORAT 20LB BORAT 20LB BORAT (ater BL 1087 0 Cater BL 1087 Cater BL Cater BL Cater BL Cater BL Cater BL Cater Gater	FE XL, 1894 FE XL, 1908 FE XL, 1951 FE XL, 2223 Dil Gravity Corr API Gas Oil Ratio	BBLS FLUID BBLS FLUID BBLS FLUID BBLS FLUID Well S Gas Gravit	98000LB , 97000LB , 100000Li , 100000Li y y POW	20/40 W 20/40 W 3 20/40 V B 20/40 V Production	S, 20000LB 2 S, 20000LB 2 VS, 15500LB VS, 17000LB Method GAS PUN L / L L Method Method GAS PUN Method Method	0/40 RCS 0/40 RCS 20/40 RCS 20/40 RCS 20/40 RCS MPING UNIT 2 3 2012	
28. Production at a First roduced 06/11/2012 hoke lize 28a Product at a First roduced 106/11/2012 hoke lize 28a Product at Errst roduced 106/11/2012 hoke lize 106/11/2012 hoke	Depth Interval 3324 3324 3324 3324 3324 3324 ion - Interval A Test Date 06/14/2012 Tbg Press Flwg 120 Flyg 120	TO 122: TO 123: TO 127: Ours ested 24 sg ress 200 0 B ours ested	34 SPEARI 94 SPEARI 51 SPEARI 25 SPEARI Test Production 24 Hr Rate Production 24 Hr Rate	HEAD 10 HEAD 10 HEAD 10 HEAD 10 HEAD 10 OII BBL 331 0 OII BBL 331	00G 7-1/2' 00G 7-1/2' 00G 7-1/2' Gas MCF 450 Gas MCF 450 Gas MCF 450 Gas MCF Gas MCF	% HCL, 2 % HCL, 2 % HCL, 2 % HCL, 3 % B 0 0	20LB BORAT 20LB BORAT 20LB BORAT (ater BL 1087 0 Cater BL 1087 Cater BL Cater BL Cater BL Cater BL Cater BL Cater Gater	TE XL, 1894 TE XL, 1908 TE XL, 1951 TE XL, 2223 Dil Gravity Corr API Oil Gravity Corr API Gas Oil Gravity Corr API	BBLS FLUID BBLS FLUID BBLS FLUID Well S Gas Gravit Gas Gravit	98000LB , 97000LB , 100000Li , 100000Li y y POW	20/40 W 20/40 W 3 20/40 V B 20/40 V Production	S, 20000LB 2 S, 20000LB 2 VS, 15500LB VS, 17000LB Method GAS PUN Method Method GAS PUN AMETHOD METHOD METHOD	0/40 RCS 0/40 RCS 20/40 RCS 20/40 RCS 0/40 RCS	

28b Prod	luction - Inter	val C					-4 o*					
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API		as ravity	Production Method		
Choke	Tbg Press	Csg	24 Hr	Oil	Gas	Water	Gas Oil	- lu	ell Status			
Size	Flwg SI	Press	Rate	BBL	MCF	BBL	Ratio		c. otatos			
28c Prod	uction - Inter	val D			1			I				
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API		as ravity	Production Method		
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Orl BBL	Gas MCF	Water BBL	Gas Oil Ratio	W	ell Status	•		
29. Dispo	sition of Gas	(Sold, used	for fuel, ven	ted, etc.)	<u> </u>					 .		·
	nary of Porou	s Zones (Ir	nclude Aquife	ers):					31. Fo	rmation (Log) Markers		
tests,							d all drill-stem nd shut-in pres					
	Formation			Top Bottom			ions, Contents,	etc.		Name		
SALADO TANSILL YATES SEVEN F CAPITAN DELAWA CHERRY	IREEF	·	440 1297 1441 1644 2097 3655 3774	1296 1440 1643 2096 3654 3773 4334					TA YA SE CA DE	OP SALT INSILL ITES EVEN RIVERS APITAN REEF ELAWARE HERRY CANYON		440 1297 1441 1644 2097 3655 3774
32 Addit	ional remark	s (include j	plugging proc	cedure):			· -		<u> </u>			
44 A TOP- 1207 2250 1191 2300 33. Circle	OLB 20/40 F 8-SPEARHE OLB 20/40 F e enclosed att ectrical/Mech	MMOUNT A EAD 1000 RCS EAD 1000 RCS achments:	AND TYPE G 7-1/2% H G 7-1/2% H · · gs (I full set r	OF MATER CL, 20LB I CL, 20LB I	RIAL BORATE BORATE	XL, 1911 B XL, 1877 B 2. Geolog			20/40 WS, 3 DST Re		Direction	nal Survey
5. Su	indry Notice	for pluggin	g and cemen	t verification	1	6 Core A	nalysis		7 Other.			
34 I here	by certify that	t the foreg	_			-				le records (see attached	instructi	ons):
		Comi		For YATE	S PETRO	DLEUM CO	ed by the BLN RPORATION Y WEATHER	, sent to the	he Carlsbac			
Name	c(please prin			***	0	•				SUPERVISOR		
Signa	iture	(Electro	nic Submiss	sion)		,	Dat	e 06/19/20	9/2012			
							-					
							for any person s as to any mat			y to make to any depar	tment or	agency

Additional data for transaction #141000 that would not fit on the form

32. Additional remarks, continued

11761-SPEARHEAD 1000G 7-1/2% HCL, 20LB BORATE XL, 2016 BBLS FLUID, 1000000LB 20/40 WS, 23500LB 20/40 RCS 11607-SPEARHEAD 1000G 7-1/2% HCL, 20LB BORATE XL, 1947 BBLS FLUID, 100000LB 20/40 WS, 22000LB 20/40 RCS 11457-SPEARHEAD 1000G 7-1/2% HCL, 20LB BORATE XL, 1960 BBLS FLUID, 100000LB 20/40 WS, 22000LB 20/40 RCS 11303-SPEARHEAD 1000G 7-1/2% HCL, 20LB BORATE XL, 1999 BBLS FLUID, 99000LB 20/40 WS, 22500LB 20/40 RCS 11148-SPEARHEAD 1000G 7-1/2% HCL, 20LB BORATE XL, 2113 BBLS FLUID, 100000LB 20/40 WS, 22500LB 20/40 RCS 10991-SPEARHEAD 1000G 7-1/2% HCL, 20LB BORATE XL, 2095 BBLS FLUID, 100000LB 20/40 WS, 21000LB 20/40 RCS 10837-SPEARHEAD 1000G 7-1/2% HCL, 20LB BORATE XL, 2117 BBLS FLUID, 100000LB 20/40 WS, 23000LB 20/40 RCS 10682-SPEARHEAD 1000G 7-1/2% HCL, 20LB BORATE XL, 1901 BBLS FLUID, 99000LB 20/40 WS, 22000LB 20/40 RCS 10528-SPEARHEAD 1000G 7-1/2% HCL, 20LB BORATE XL, 2094 BBLS FLUID, 100000LB 20/40 WS, 22000LB 20/40 RCS 10374-SPEARHEAD 1000G 7-1/2% HCL, 20LB BORATE XL, 1911 BBLS FLUID, 101000LB 20/40 WS, 21000LB 20/40 RCS 10219-SPEARHEAD 1000G 7-1/2% HCL, 20LB BORATE XL, 2007 BBLS FLUID, 100000LB 20/40 WS, 20000LB 20/40 RCS 10065-SPEARHEAD 1000G 7-1/2% HCL, 20LB BORATE XL, 1878 BBLS FLUID, 100000LB 20/40 WS, 21000LB 20/40 RCS 9911-SPEARHEAD 1000G 7-1/2% HCL, 20LB BORATE XL, 1937 BBLS FLUID, 100000LB 20/40 WS, 21500LB 20/40 RCS 9756-SPEARHEAD 1000G 7-1/2% HCL, 20LB BORATE XL, 1935 BBLS FLUID, 99000LB 20/40 WS; 21500LB 20/40 RCS 9602-SPEARHEAD 1000G 7-1/2% HCL, 20LB BORATE XL, 1938 BBLS FLUID, 99000LB 20/40 WS, 21000LB 20/40 RCS 9447-SPEARHEAD 1000G 7-1/2% HCL, 20LB BORATE XL, 1946 BBLS FLUID, 100000LB 20/40 WS, 23000LB 20/40 RCS 9294-SPEARHEAD 1000G 7-1/2% HCL, 20LB BORATE XL, 2087 BBLS FLUID, 101000LB 20/40 WS, 23000LB 20/40 RCS 9136-SPEARHEAD 1000G 7-1/2% HCL, 20LB BORATE XL, 2067 BBLS FLUID, 101000LB 20/40 WS, 21000LB 20/40 RCS 8977-SPEARHEAD 1000G 7-1/2% HCL, 20LB BORATE XL, 2141 BBLS FLUID, 105000LB 20/40 WS, 25000LB 20/40 RCS 8818-SPEARHEAD 1000G 7-1/2% HCL, 20LB BORATE XL, 2141 BBLS FLUID, 98000LB 20/40 WS, 21000LB 20/40 RCS

Yates Petroleum Corporation Hanagan APL Federal Com #2H Section 31-T19S-R30E Eddy County, New Mexico Page 4

Form 3160-4 continued:

51. SUMMARY OF POROUS ZONES FORMATION-TOP-BOTTOM BRUSHY CANYON-4335-6071 BONE SPRING-6072-12831

52. FORMATION (LOG) MARKERS
NAME-TOP
BRUSHY CANYON-4335
BONE SPRING-6072

DEVIATION AND DIRECTIONAL SURVEYS ATTACHED. 2 SETS OF LOGS MAILED TO CARLSBAD BLM AND 1 SET OF LOGS MAILED TO ARTESIA NMOCD ON 6/19/12.