

DATE IN <u>8.14.11</u>	SUSPENSE	ENGINEER <u>WUT</u>	LOGGED IN <u>8.14.11</u>	TYPE <u>DHC</u>	APP NO. <u>127669266</u>
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



Apache

ELLIOH A #11

ADMINISTRATIVE APPLICATION CHECKLIST

30-025-39152

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] **[NSP-Non-Standard Proration Unit]** **[SD-Simultaneous Dedication]**
[DHC-Downhole Commingling] **[CTB-Lease Commingling]** **[PLC-Pool/Lease Commingling]**
[PC-Pool Commingling] **[OLS - Off-Lease Storage]** **[OLM-Off-Lease Measurement]**
[WFX-Waterflood Expansion] **[PMX-Pressure Maintenance Expansion]**
[SWD-Salt Water Disposal] **[IPI-Injection Pressure Increase]**
[EOR-Qualified Enhanced Oil Recovery Certification] **[PPR-Positive Production Response]**

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☒ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

REESA HOLLAND
 Print or Type Name

Reesa Holland
 Signature

SR ENGR TECH
 Title

8/8/2011
 Date

Reesa.Holland@apachecorp.com
 e-mail Address

RECEIVED OOD
 2011 AUG 12 P 2:13

District I
1625 N French Drive, Hobbs, NM 88240

District II
1301 W Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
1220 S St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107A
Revised June 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

APPLICATION TYPE
☒ Single Well
☐ Establish Pre-Approved Pools
EXISTING WELLBORE
☒ Yes ☐ No

APPLICATION FOR DOWNHOLE COMMINGLING

Apache Corporation 303 Veterans Airpark Lane Suite 3000 Midland TX 79705
Operator Address
Elliott A 011 H 21 21S 37E Lea
Lease Well No. Unit Letter-Section-Township-Range County
OGRID No. 873 Property Code 303234 API No. 30-025-39152 Lease Type: ☒ Federal ☐ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Penrose Skelly; Grayburg		Paddock
Pool Code	50350		49210
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	3737'-3960' (Est Perf)		5220'-5398' (Est Perf)
Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	NA		NA
Oil Gravity or Gas BTU (Degree API or Gas BTU)	API		API
Producing, Shut-In or New Zone	New Zone		New Zone
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: SEE ATTACHED Rates:	Date: Rates:	Date: SEE ATTACHED Rates:
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 27 % 44 %	Oil Gas % %	Oil Gas 73 % 56 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes ☒ No ☐
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes ☐ No ☐
Are all produced fluids from all commingled zones compatible with each other? Yes ☒ No ☐
Will commingling decrease the value of production? Yes ☐ No ☒
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes ☒ No ☐
NMOCD Reference Case No. applicable to this well: _____

Attachments:

C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
Production curve for each zone for at least one year. (If not available, attach explanation.)
For zones with no production history, estimated production rates and supporting data.
Data to support allocation method or formula.
Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools
List of all operators within the proposed Pre-Approved Pools
Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Reesa Holland TITLE Sr. Engineering Tech DATE 8/8/2011

TYPE OR PRINT NAME Reesa Holland TELEPHONE NO. (432) 818-1062

E-MAIL ADDRESS Reesa.Holland@apachecorp.com

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

¹ API Number 30-025-39152	² Pool Code 50350	³ Pool Name Penrose Skelly; Grayburg
⁴ Property Code 303234	⁵ Property Name Elliott A	⁶ Well Number 011
⁷ OGRID No. 873	⁸ Operator Name Apache Corporation: 303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705	⁹ Elevation 3435' GL

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	21	21S	37E		1730	North	990	East	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>Reesa Holland</i> Signature 08/08/2011 Date Reesa Holland Printed Name
	¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>
	Date of Survey Signature and Seal of Professional Surveyor:
	Certificate Number

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
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Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-39152	² Pool Code 49210	³ Pool Name Paddock
⁴ Property Code 303234	⁵ Property Name Elliott A	⁶ Well Number 011
⁷ OGRID No. 873	⁸ Operator Name Apache Corporation: 303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705	⁹ Elevation 3435' GL

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	21	21S	37E		1730	North	990	East	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

1730' 990'	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>Reesa Holland</i> 08/08/2011 Signature Date Reesa Holland Printed Name
	¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> Date of Survey Signature and Seal of Professional Surveyor:
	Certificate Number



August 8, 2011

Will Jones
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

Re: Application for Downhole Commingle
Elliott A #11
Unit H, Sec 21, T21S, R37E
Penrose Skelly; Grayburg (50350) & Paddock (49210) Pools
Lea County, New Mexico

Dear Mr. Jones:

Enclosed please find an administrative application form (C-107A) and attachments for downhole commingling the Penrose Skelly; Grayburg (50350) & Paddock (49210) pools in the Elliott A #11. Attached is a table of offset production used to estimate production for this well. The ownership (WI, NRI and ORRI) of these pools are identical in this wellbore. Downhole commingling in this manner will offer an economic method of production while protecting against reservoir damage, waste of reserves and violation of correlative rights. This is a Federal well. The Bureau of Land Management has been sent a copy of this application, along with a notice of intent to downhole commingle these two zones.

If you need additional information or have any questions, please give me a call at (432) 818-1062 or contact me via e-mail at Reesa.Holland@apachecorp.com.

Sincerely,

A handwritten signature in black ink that reads "Reesa Holland". The signature is fluid and cursive.

Reesa Holland
Sr. Engineering Tech

Attachments

Elliott A #11
30-025-39152
Apache Corp.

Lease Name	Well Number	10DIGIT API	Location	Cum Oil (BBL)		Cum Gas (BBL)		Cum Water (BBL)	
				Grayburg	Paddock	Grayburg	Paddock	Grayburg	Paddock
STATE S	1	3002506586	15D 21S 37E NW NW	57694		401653		57177	
L G WARLICK C	7	3002506598	15O 21S 37E SW SW SE	3631		26385		23515	
ARGO	8	3002506604	15N 21S 37E E2 SE SW	7773	7004	67344	71100	72803	202541
ARGO	11	3002506607	15K 21S 37E NE SW	28351		254396		247498	
ARGO	12	3002506608	15M 21S 37E SW SW SW	10425		144871		96922	
STATE S	2	3002506609	15C 21S 37E C NE NW	28358		90945		2473	
STATE S	4	3002506611	15A 21S 37E E2 NE NW	41250		241034		31499	
STATE S	5	3002506612	15D 21S 37E NW NW	20232		1005252		1098925	
STATE DA	5	3002506617	16I 21S 37E	4461	10432	25335	71140	30675	295471
HARRY LEONARD NCT E	1	3002506620	16G 21S 37E C SW NE	50683		402063		141942	
HARRY LEONARD NCT E	3	3002506622	16B 21S 37E C NW NE	68442		551239		107719	
HARRY LEONARD NCT E	5	3002506624	16H 21S 37E SE SE NE	72673		532877		192193	
STATE C TRACT 12	3	3002506625	16E 21S 37E SW NW	21624		180821		8723	
STATE LAND 15	1	3002506630	16M 21S 37E C SW SW	34439		510127		46243	
STATE LAND 15	2	3002506631	16N 21S 37E C SE SW	7858		181022		61679	
MITTIE WEATHERLY	1	3002506635	17F 21S 37E	50765		1005955		291767	
LOCKHART A 17	1	3002506636	17L 21S 37E	101350		1197816		7046	
LOCKHART A 17	2	3002506637	17I 21S 37E	35589		1063419		291459	
LOCKHART A 17	3	3002506638	17H 21S 37E	49416		251848		15277	
LOCKHART A 17	4	3002506639	17A 21S 37E	65920		350512		9693	
W W WEATHERLY	1	3002506644	17K 21S 37E	149314		367154		53258	
W W WEATHERLY	2	3002506645	17J 21S 37E NW SE	75102		394615		41067	
W W WEATHERLY	3	3002506646	17G 21S 37E C SW NE	67030		414519		12097	
MITTIE WEATHERLY	3	3002506649	17C 21S 37E C NE NW	42433		684366		691485	
MITTIE WEATHERLY	4	3002506650	17E 21S 37E C SW NW	63326		1429239		351393	
MITTIE WEATHERLY	5	3002506651	17D 21S 37E	27019		351417		12587	
D C HARDY	1	3002506682	20P 21S 37E	45584		60329		45	
D C HARDY	2	3002506683	20O 21S 37E	31173		578956		1032	
C L HARDY	1	3002506684	20N 21S 37E	41545					
C L HARDY	2	3002506685	20N 21S 37E SE SE SW	8905	46942	608131	224980	89349	19684
C L HARDY	3	3002506686	20K 21S 37E	57389		1265981		264455	
C L HARDY	5	3002506687	20L 21S 37E C NW SW	18390		551069		304743	
DAYTON HARDY	3	3002506689	20J 21S 37E C NW SE	19818	2719	310918	46774	25969	311262
D C HARDY	3	3002506690	20P 21S 37E SE SE	14356		254420		293133	
ELLIOTT B	1	3002506692	20D 21S 37E	5951		69222		7027	
D C HARDY GAS UNIT	5	3002506694	20P 21S 37E NW SE SE		289		54962		1
M E WANTZ	4	3002506698	21J 21S 37E		339090		1820922		447307
M E WANTZ	7	3002506699	21N 21S 37E		135148		790038		310866
M E WANTZ	10	3002506704	21K 21S 37E		9460		104449		276928
C L HARDY	4	3002506705	20M 21S 37E C SW SW	27601	104409	494669	260150	529418	631150
M E WANTZ	3	3002506707	21P 21S 37E		195258		823414		519043
M E WANTZ	2	3002506708	21O 21S 37E		184647		727825		259570
M E WANTZ	6	3002506709	21M 21S 37E	45247	59388		336757		240567
MARY WANTZ	2	3002506711	21L 21S 37E	39199					
WEATHERLY	1	3002506712	21E 21S 37E	26065					
WEATHERLY	2	3002506720	21D 21S 37E	26674		267243		17475	
EUBANK	5	3002506731	22B 21S 37E	1886		5556		13648	
EUBANK	7	3002506733	22B 21S 37E NW NW NE		994		28204		576167
ARGO A	11	3002506736	22F 21S 37E		5720		3460		18090
ARGO A	6	3002506738	22C 21S 37E NE NE NW	9232	7624	71850	66433	128500	179113
ARGO A	7	3002506739	22E 21S 37E NE SW NW	11641	13316	189484		157836	
ARGO A	8	3002506740	22D 21S 37E SE NW NW	9316	9794	180961	116113	152399	213608
ARGO A	9	3002506741	22D 21S 37E SW NW NW		2470		32495		36416
TURNER	4	3002506746	22M 21S 37E W2 SW SW	29709	27196	557549	232955	177545	175676
TURNER	8	3002506750	22L 21S 37E SW NW SW	13344		240078		132246	
TURNER	11	3002506753	22N 21S 37E NW SE SW	25808	47042	250790	443388	149285	638473
TURNER	14	3002506756	22J 21S 37E NW NW SE		4059		46322		81729
TURNER	16	3002506758	22M 21S 37E	8308	4239	89680		5671	
LOCKHART A 27	10	3002506795	27G 21S 37E		37613		512835		120123
LOCKHART A 27	11	3002506797	27H 21S 37E		98		416		
LOCKHART A 27	4	3002506798	27D 21S 37E		9741		39506		14232
LOCKHART A 27	13	3002506799	27E 21S 37E		59878		1043238		144716
LOCKHART A 27	2	3002506801	27F 21S 37E		58790		1182036		175234
LOCKHART A 27	6	3002506804	27B 21S 37E		205715		1448126		272943
LOCKHART A 27	8	3002506805	27D 21S 37E S2 NW NW	13387	135	203054	150	85192	829
LOCKHART A 27	7	3002506806	27C 21S 37E		88706		1517469		161072
LOCKHART A 27	3	3002506807	27E 21S 37E W2 SW NW	7669		92278		142455	
F F HARDISON B	6	3002506809	27J 21S 37E NW SE		19397		61122		43530
F F HARDISON B	9	3002506812	27O 21S 37E		215				
J N CARSON NCT A	5	3002506814	28J 21S 37E		74158		388095		17419
J N CARSON NCT A	8	3002506815	28O 21S 37E		209860		851800		49969

Elliott A #11
30-025-39152
Apache Corp.

Lease Name	Well Number	10DIGITAPI	Location	Cum Oil (BBL)	Cum Gas (BBL)	Cum Water (BBL)
				Grayburg Paddock	Grayburg Paddock	Grayburg Paddock
J N CARSON NCT A	10	3002506816	28J 21S 37E NW SE	17129	494403	227634
J N CARSON NCT A	11	3002506817	28K 21S 37E NE NE SW			
MARSHALL B	3	3002506820	27K 21S 37E NE SW	17797	58695	128025
MARSHALL B	4	3002506821	27L 21S 37E C NW SW	19424	72993	167365
MARSHALL B	5	3002506823	27N 21S 37E		276277	510898
MARSHALL B	6	3002506824	27M 21S 37E		359879	1652954
MARSHALL B	8	3002506825	27L 21S 37E	18458	204182	214648
MARSHALL B	9	3002506826	27K 21S 37E NW NE SW	3824	564	95818
MARSHALL A	1	3002506827	27M 21S 37E C SW SW	14678		2118
J N CARSON B	13	3002506828	28J 21S 37E	64153	47705	36012
J N CARSON B	12	3002506829	28O 21S 37E	49793		638
J N CARSON NCT A	1	3002506830	28K 21S 37E C NE SW	169926	1188462	165308
J N CARSON NCT C	6	3002506833	28P 21S 37E SW SE SE	32230	318458	12023
J N CARSON NCT C	7	3002506834	28P 21S 37E		406069	900171
J N CARSON NCT C	8	3002506835	28I 21S 37E	17374	412805	343658
J N CARSON NCT C	9	3002506836	28I 21S 37E	45249	55255	230619
EUNICE KING	1	3002506837	28E 21S 37E C SW NW	190886		1384060
EUNICE KING	2	3002506838	28D 21S 37E	62336		337231
EUNICE KING	3	3002506839	28F 21S 37E C SE NW	122899		1101478
EUNICE KING	6	3002506842	28D 21S 37E SW NW NW	32394		284084
EUNICE KING	7	3002506843	28G 21S 37E	47825	135661	647263
EUNICE KING	8	3002506844	28H 21S 37E C SE NE	15838	1085	477128
EUNICE KING	10	3002506846	28B 21S 37E C NW NE		243079	672745
EUNICE KING	11	3002506847	28B 21S 37E NW NW NE	83332		719590
EUNICE KING	12	3002506848	28A 21S 37E C NE NE	32263	48489	548659
EUNICE KING	15	3002506852	28F 21S 37E SE SE NW		48844	156313
EUNICE KING	16	3002506853	28A 21S 37E	189695		93994
EUNICE KING	17	3002506854	28C 21S 37E		421262	1686786
EUNICE KING	18	3002506855	28E 21S 37E		9101	150824
EUNICE KING	19	3002506856	28C 21S 37E C NE NW	14397	57736	540166
EUNICE KING	20	3002506857	28F 21S 37E NE SE NW		450361	901443
LINAM	3	3002506859	29A 21S 37E SE NE NE	23748		251573
EUNICE KING	25	3002506865	28D 21S 37E SE NW NW		10936	45825
EUNICE KING	26	3002506866	28H 21S 37E NW SE NE	12229	8731	71564
E O CARSON	4	3002506869	28N 21S 37E	96636		189105
E O CARSON	18	3002506872	28M 21S 37E E2 SW SW	54454	76126	177026
UNIT	116	3002506873	28L 21S 37E	62089		540231
E O CARSON	20	3002506874	28N 21S 37E		213587	1252666
E O CARSON	21	3002506875	28L 21S 37E		60364	273277
E O CARSON	22	3002506876	28L 21S 37E		23854	34871
UNIT	117	3002506877	29I 21S 37E	65770		
UNIT	118	3002506878	29J 21S 37E	16182		
W H TURNER	1	3002506880	29P 21S 37E C SE SE	79109		
UNIT	121	3002506881	29O 21S 37E	77211		
TURNER	3	3002506882	29P 21S 37E		358	
H S TURNER	1	3002506883	29N 21S 37E	112064		246872
H S TURNER	2	3002506884	29M 21S 37E	146955		896198
H S TURNER	4	3002506886	29M 21S 37E		7424	
W H TURNER	2	3002506887	29K 21S 37E	82843		57991
CORDELIA HARDY	1	3002506889	29E 21S 37E SW SW NW	144005		683632
CORDELIA HARDY	2	3002506890	29D 21S 37E NW NW NW	51280		196531
HARDY	3	3002506891	29C 21S 37E C NE NW	33372		
CORDELIA HARDY	4	3002506892	29F 21S 37E	19801		172979
CORDELIA HARDY	6	3002506894	29D 21S 37E		116941	330218
UNIT	108	3002506895	29H 21S 37E	62098		
D HARDY	2	3002506896	29G 21S 37E	24198		478692
V LINAM	2	3002506899	29B 21S 37E C NW NE	74622		2693444
ARGO	7	3002509915	15L 21S 37E NE NW SW	509		731
W E LEE	4	3002509921	20F 21S 37E	17117		1269899
W E LEE	1	3002509923	20C 21S 37E	45590		667925
A M YORK	2	3002509924	20A 21S 37E C NE NE	20556		118199
YORK A	1	3002509925	20H 21S 37E SE NE	32097		
DAYTON HARDY	1	3002509927	20I 21S 37E	66875		711222
MARSHALL	1	3002509934	27N 21S 37E	10150		
W H TURNER	1	3002509935	29L 21S 37E NW NW SW	59843		
W W WEATHERLY	5	3002523717	17B 21S 37E	150309		865740
PERCY HARDY	4	3002523795	17O 21S 37E	88979		911983
PERCY HARDY	5	3002523831	17P 21S 37E	112413		925428
HARDY	2	3002523858	17N 21S 37E	46509		892183
W E LEE	6	3002524124	20E 21S 37E	6566		172886
W W WEATHERLY	6	3002524178	17K 21S 37E	93713		969335

Lease Name	Well Number	10DIGIT API	Location	Cum Oil (BBL)	Cum Gas (BBL)	Cum Water (BBL)
				Grayburg	Grayburg	Grayburg
				Paddock	Paddock	Paddock
E O CARSON	26	3002524268	28L 21S 37E SW NW SW	8295	412533	121952
HARRY LEONARD NCT E	6	3002525198	16A 21S 37E NE NE NE	70033	495470	75365
WEATHERLY 21	3	3002526453	21G 21S 37E W2 SW NE	12443	251059	194121
A M LOCKHART	3	3002527123	17M 21S 37E	18414	309471	37763
W E LEE	7	3002527199	20B 21S 37E	8853	208677	105042
LANSFORD	2	3002527271	21K 21S 37E	60623	1094348	68214
LANSFORD	3	3002527396	21O 21S 37E	55403	405161	121106
LANSFORD	5	3002527866	21J 21S 37E	29197	246666	93001
LANSFORD	6	3002527879	21P 21S 37E	35281	285330	104040
CORDELIA HARDY	7	3002528899	29F 21S 37E		120765	456128
LOCKHART A 27	14	3002532169	27A 21S 37E NE NE		114424	548769
STATE DA	6	3002534245	16L 21S 37E NW SW	25198	652329	249396
TURNER	17	3002534322	22O 21S 37E SW SE		81504	624993
TURNER	18	3002534388	22N 21S 37E SE SW	6531	108200	20229
TURNER	20	3002534592	22P 21S 37E SE SE		41175	391571
WEATHERLY 21	1	3002535173	21G 21S 37E SW SW NE	25416	3	81551
STATE C TRACT 12	8	3002535515	16D 21S 37E E2 NW NW	38984	406457	81663
STATE DA	7	3002535516	16K 21S 37E SE NE SW	20825	557815	201497
WEATHERLY 21	2	3002535523	21B 21S 37E SW NW NE	5684	85337	8638
STATE C TRACT 12	9	3002535707	16C 21S 37E NW NE NW	19971	454128	228518
STATE C TRACT 12	10	3002535708	16F 21S 37E NW SE NW	30836	328239	117724
STATE C TRACT 12	11	3002535709	16E 21S 37E W2 SW NW	41445	497779	67136
MITTIE WEATHERLY	7	3002535745	17D 21S 37E SE NW NW	20245	389443	1012906
STATE DA	8	3002535765	16J 21S 37E W2 NW SE	16973	174296	108540
TURNER	19	3002535830	22J 21S 37E NW SE	1280	21493	11873
STATE S	10	3002536020	15B 21S 37E NE NW NE	19320		66314
STATE S	11	3002536021	15A 21S 37E SE NE NE	13531		62532
ARGO A	13	3002536039	22F 21S 37E NW SE NW	20524	202678	146234
PERCY HARDY	10	3002536056	17P 21S 37E SE SE SE	10674	484014	171162
STATE C TRACT 12	13	3002536095	16C 21S 37E NE NE NW	45816	374240	70015
LOCKHART A 17	6	3002536101	17H 21S 37E NW SE NE	13473	744202	432041
D C HARDY	6	3002536114	20O 21S 37E SE SW SE	24372	311440	50541
STATE C TRACT 12	12	3002536115	16E 21S 37E NW SW NW	17645	385062	220778
LOCKHART A 17	7	3002536159	17I 21S 37E NW NE SE	16207	1042945	430352
LOCKHART A 17	8	3002536160	17L 21S 37E SW NW SW	8774	848954	728778
D C HARDY	7	3002536378	20O 21S 37E NW SW SE	18551	374834	291085
D C HARDY	8	3002536379	20P 21S 37E NE SE SE	15954	248792	164280
PERCY HARDY	9	3002536477	17O 21S 37E SE SW SE	8300	368200	198431
STATE C TRACT 12	15	3002536478	16C 21S 37E SW NE NW	19086	233168	228728
STATE C TRACT 12	17	3002536613	16C 21S 37E SE NE NW	30354	333931	42547
STATE C TRACT 12	18	3002536614	16E 21S 37E SE SW NW	12637	336666	86000
STATE DA	9	3002536617	16L 21S 37E NW NW SW	7744	436133	144157
STATE C TRACT 12	16	3002536618	16D 21S 37E NE NW NW	22734	270346	68990
WEATHERLY 21	4	3002536640	21F 21S 37E SE SE NW	12139	524233	11503
WEATHERLY 21	5	3002536646	21C 21S 37E NE NE NW	11404	208920	14311
W W WEATHERLY	7	3002536658	17G 21S 37E SE SW NE	6985	182853	8088
W W WEATHERLY	8	3002536659	17J 21S 37E SE NW SE	6189	233174	10475
LOCKHART A 17	9	3002536661	17A 21S 37E NE NE NE	15495	302993	159816
STATE C TRACT 12	19	3002536725	16F 21S 37E SE SE NW	12697	229739	96613
EUNICE KING	27	3002536738	28C 21S 37E SW NE NW	14658	675735	206748
EUNICE KING	28	3002536739	28B 21S 37E SE NW NE	26353	426972	205804
C L HARDY	6	3002536740	20K 21S 37E SW NE SW	20085	383432	142616
HARRY LEONARD NCT E	7	3002536741	16H 21S 37E NW SE NE	45489	456537	91394
STATE DA	10	3002536786	16J 21S 37E NE NW SE	11332	191812	57176
STATE DA	11	3002536787	16K 21S 37E SW NE SW	19444	589061	119665
DAYTON HARDY	4	3002536963	20J 21S 37E NW NW SE	19786	224526	76784
DAYTON HARDY	6	3002536964	20I 21S 37E NW NE SE	23969	445709	156460
DAYTON HARDY	7	3002536965	20I 21S 37E SE NE SE	17602	206045	77909
DAYTON HARDY	5	3002537027	20J 21S 37E SE NW SE	18311	320375	126873
WILLIAM TURNER	5	3002537070	29J 21S 37E NW NW SE	2685	25378	179047
WILLIAM TURNER	6	3002537071	29J 21S 37E SE NW SE	17440	321965	124622
WILLIAM TURNER	7	3002537072	29I 21S 37E NW NE SE	15139	129629	159050
WILLIAM TURNER	8	3002537076	29I 21S 37E SE NE SE		22111	276518
EUNICE KING	29	3002537187	28F 21S 37E NE SE NW	19684	347541	97962
MITTIE WEATHERLY	8	3002537188	17C 21S 37E SW NE NW	4792	169825	304750
TURNER	22	3002537203	22K 21S 37E C NE SW	7755	127591	173995
STATE LAND 15	7	3002537364	16M 21S 37E SW SW SW	11248	451240	92170
STATE LAND 15	8	3002537365	16N 21S 37E SW SE SW	7545	427796	109714
LOCKHART A 17	10	3002537379	17A 21S 37E NW NE NE	14376	449402	408712
STATE LAND 15	13	3002537482	16O 21S 37E SW SW SE	14299	244784	74396
TURNER	5	3002537484	29O 21S 37E NE SW SE	4966	420247	1

Elliott A #11
30-025-39152
Apache Corp.

Lease Name	Well Number	10DIGITAPI	Location	Cum Oil (BBL)		Cum Gas (BBL)		Cum Water (BBL)	
				Grayburg	Paddock	Grayburg	Paddock	Grayburg	Paddock
STATE LAND 15	12	3002537496	16P 21S 37E SW SE SE	16064		262767		81748	
MARSHALL B	13	3002537592	27N 21S 37E N2 SE SW	17650		302778		1542113	
A M YORK	4	3002537638	20H 21S 37E SW SE NE	17881		220780		260563	
WILLIAM TURNER	9	3002537695	29I 21S 37E NE NE SE	7269	9322	160786	41453	29737	107801
WILLIAM TURNER	10	3002537696	29I 21S 37E SW NE SE	14847		244292		91522	
WILLIAM TURNER	12	3002537697	29J 21S 37E NE NW SE	21014	33	481702		154560	
WILLIAM TURNER	11	3002537698	29J 21S 37E SW NW SE	2466	14485	6502	65236	49502	442278
L G WARLICK C	11	3002537767	15O 21S 37E NE SW SE	12331		33005		26376	
EUNICE KING	30	3002537831	28D 21S 37E NE NW NW	10378		290065		55130	
EUNICE KING	31	3002537832	28B 21S 37E NW NW NE	10701		385938		42106	
C L HARDY	7	3002537833	20L 21S 37E NE NW SW	11665		330518		128271	
HARRY LEONARD NCT E	8	3002537834	16H 21S 37E SE SW NE	23978		293281		85133	
STATE DA	14	3002537864	16L 21S 37E SW NW SW	10149		274013		50195	
MARSHALL B	11	3002537895	27L 21S 37E NE NW SW	24364		224028		43566	
STATE DA	13	3002537916	16I 21S 37E SW NE SE	9338		272194		82653	
A M YORK	3	3002537945	20A 21S 37E SW NE NE	11104		224729		233303	
EUNICE KING	32	3002538336	28A 21S 37E NW NE NE	12915		225711		75171	
EUNICE KING	33	3002538337	28F 21S 37E SW SE NW	5504		478238		53092	
C L HARDY	8	3002538338	20N 21S 37E SW SE SW	10523		280557		111715	
W W WEATHERLY	10	3002538376	17K 21S 37E SW NE SW	7913		489145			
W W WEATHERLY	12	3002538377	17B 21S 37E NW NW NE	9494		413209			
STATE LAND 15	16	3002538378	16O 21S 37E NE SW SE	11354		173262		71047	
TURNER	23	3002538685	22P 21S 37E SE SE SE	13148		159889		139323	
HARDY	4	3002538686	17N 21S 37E SW SE SW	5172		185406		76761	
WEATHERLY	12	3002538799	21D 21S 37E SW NW NW	5294		114234		56001	
EUNICE KING	34	3002539004	28F 21S 37E SE SE NW	5741		137309		62381	
MITTIE WEATHERLY	9	3002539038	17F 21S 37E SW SE NW	7753		144619		75860	
ELLIOTT A	10	3002539151	21A 21S 37E E2 NE NE	7532		163657		55200	
EUNICE KING	35	3002539203	28D 21S 37E SW NW NW	5390		237341		107798	
E O CARSON	28Y	3002539237	28N 21S 37E NW SE SW	11225		311898		245636	
STATE LAND 15	17	3002539449	16P 21S 37E NE SE SE	4576		64903		29494	
TURNER	27	3002539462	22O 21S 37E NW SW SE	6589		59315		30087	
TURNER	21	3002539552	22O 21S 37E	9348		41148		26112	
MARSHALL B	12	3002539556	27L 21S 37E	4315		27277		9430	
ARGO	13	3002539557	15M 21S 37E	2911		46478		24035	
STATE LAND 15	18	3002539605	16O 21S 37E	2459		35017		11921	
STATE LAND 15	19	3002539606	16M 21S 37E	3117		33305		16987	
ARGO A	14	3002539686	22D 21S 37E	1676		22756		13415	
TURNER	29	3002539692	22J 21S 37E	810		14783		17320	
TURNER	25	3002539825	22L 21S 37E NW SW	4258		26094		16075	
ARGO A	15	3002539826	22F 21S 37E SE NW	2026		11448		9394	
ARGO	14	3002539828	15K 21S 37E	2117		10073		12204	
ARGO	15	3002539829	15N 21S 37E SE SW	1792		10977		7780	
TOTALS				6,640,791	6,065,970	72,646,658	30,189,544	26,745,776	12,801,746
AVERAGES				31,032	85,436	366,902	464,455	136,458	203,202

Proposed Allocations	Oil	Gas	Water
Grayburg	27%	44%	40%
Paddock	73%	56%	60%
TOTAL	100%	100%	100%

AFE No: PA- 11- 0476

Elliott A #11

API #: 30-025-39152

1730' FNL & 990' FEL

Section 21, Township 21S, Range 37E
Lea County, New Mexico

Completion Procedure – Grayburg - Paddock

4 August 2011

Recommended Procedure:

Note: 5-1/2", 17#, J-55 csg set @ 5656' w/1150 sx cmt. (Circ 137 sx cmt).

Paddock:

1. MIRU PU. Install BOP. Pressure test csg.
2. MIRU wireline truck. Run GR/CCL/CBL log from PBTD +/- 5611' to surface. Correlate to Weatherford Photo Density/Compensated Neutron/Spectral Gamma Ray log dated 8/1/11.
3. Perforate the Paddock formation @ 5220' – 26', 50' – 58', 62' – 66', 90' – 94', 5304' – 10', 24' – 34', 38' – 40', 68' – 72', 78' – 86' & 94' – 98' w/1 spf, 120 deg phasing. Total = 66 shots.
4. RIH 2-7/8" tbg and pkr. Set pkr @ +/- 5150'.
5. Acidize Paddock interval with 5,500 gals 15% HCL-NE-FE BX DX acid and ball sealers.
6. Release pkr & run through perfs to knock off balls. POOH.
7. MIRU frac equipment. Pump 1 drum of corrosion inhibitor followed by 10 bbl pad of 2% KCL. Pump 2 drums scale inhibitor and flush w/10 bbls of 2% KCL.
8. Frac Paddock w/150,000# 20/40 resin coated sand (SLC, SB Excel or equivalent) down 5-1/2" csg @ 40 BPM in 30# XL gel as per frac recommendation.
9. Spot 1,000 gals 15% HCL across Grayburg interval 3950' – 2950' during Paddock frac flush.
10. RIH and set composite bridge plug above the Paddock interval @ +/- 5000'.

Grayburg:

1. Perforate the Grayburg formation @ 3737', 43', 55', 60', 65', 87', 89', 3815', 17', 19', 23', 27', 37', 48', 55', 57', 63', 77', 86', 93', 3902', 04', 06', 08', 18', 25', 36', 40', 48', 50', 52', 54', 56', 58' & 60' w/2 spf, 120 deg phasing. Total 70 shots.
2. Acidize Grayburg with 3,500 gals 15% HCL and ball sealers.
3. RIH w/gauge ring & junk basket to knock off balls. POOH.
4. Pump 1 drum of corrosion inhibitor followed by 10 bbl pad of 2% KCL. Pump 2 drums scale inhibitor and flush w/10 bbls 2% KCL.
5. Frac the Grayburg interval w/150,000# 20/40 resin coated sand (SLC, SB Excel or equivalent) down 5-1/2" csg @ 40 BPM in 30# XL gel as per frac recommendation.
6. RIH w/2-7/8" tbg and bit. Clean well out to PBTD @ +/-5611'.
7. RIH w/2-7/8" production tubing. Land SN @ +/-5425'. RIH w/1-1/2" pump & rods.
8. Install 456 PU.
9. Place well in test.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS
**Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.
NMLC032591A

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Apache Corporation

3a. Address
303 Veterans Airpark Lane, Suite 3000
Midland, TX 79705

3b. Phone No. (include area code)
432/818-1062

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1730' FNL & 990' FEL, UL H, Sec 21, T21S, R37E

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.
Elliott A 011 (OCD 303234)

9. API Well No.
30-025-39152

10. Field and Pool or Exploratory Area
Penrose Skelly; Grayburg (50350)/Paddock (49210)

11. Country or Parish, State
Lea County, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other DHC
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Apache would like to downhole commingle this well in the Grayburg and Paddock, as noted on the attached NMOCD application:

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Reesa Holland

Title Sr. Engr Tech

Signature

Reesa Holland

Date 08/08/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 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, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)